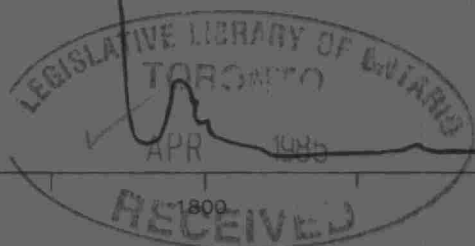
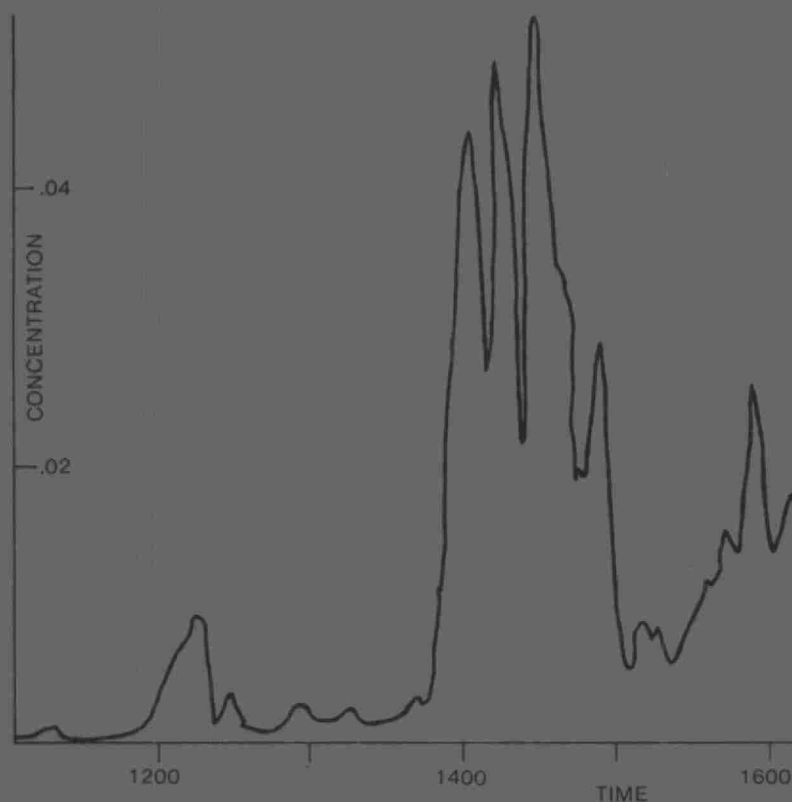


# AIR QUALITY MONITORING REPORTS 1980

## Volume 2

Report No. ARB-37-81 AQM



Ministry  
of the  
Environment

Hon. Keith C. Norton, Q.C.,  
Minister

Gérard J. M. Raymond  
Deputy Minister



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# AIR QUALITY MONITORING REPORT

## ONTARIO 1980

### VOL. 2



Ministry  
of the  
Environment

Hon. Keith C. Norton, Q.C.,  
Minister

Gérard J. M. Raymond  
Deputy Minister



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ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	7	4	1	2	1	3	4	4	3	2	4	3	1	0	0	0	0	0	0	0	0	2
2	0	0	2	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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31	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	1
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PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
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9	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1
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13	2	2	2	3	2	3	3	4	1	3	5	5	4	5	2	2	5	3	4	3	3	3	3	3	4
14	5	5	5	5	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	3
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18	5	6	6	7	3	3	3	3	3	3	5	4	4	4	4	4	5	4	3	3	3	4	3	3	4
19	3	4	5	4	3	3	2	2	3	3	3	4	3	3	3	2	2	2	2	1	1	1	1	1	3
20	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	1	1	1	1	1	2	1	1	1
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23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1
24	2	3	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1
25	1	2	2	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	3	2	2	1	1	1	1	2	1
27	5	4	5	5	6	5	3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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PERCENTAGE OF DATA VALID - 90.7

PERCENTAGE OF DATA INVALID - 9.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1
3	2	2	3	3	4	4	2	2	2	3	4	2	2	2	2	2	3	3	3	5	1	2	1	1	3
4	2	1	1	1	4	5	3	3	3	7	8	12	4	3	4	3	3	2	1	1	1	0	1	1	3
5	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	1	2	1	1	1
6	2	2	1	1	1	2	2	2	1	2	2	2	4	4	4	5	4	3	2	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	0	1	1	2	1	2	1	1	1	1	0	0	0	0	1	1
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9	3	1	1	1	1	2	2	2	5	5	7	7	6	6	7	7	5	2	2	1	1	2	1	1	3
10	1	3	4	3	2	2	2	2	2	3	3	4	5	4	7	5	3	2	1	1	1	0	0	0	3
11	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	1	1	1	0	0
13	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	2	1	1
14	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	0	0	0	0	1
16	0	0	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	0	1	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	0	1	1	0
19	0	0	0	0	0	0	0	1	2	3	3	4	3	2	1	1	1	0	0	0	0	0	0	0	1
20	0	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	0	0	0	0	0	0	0
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22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	3	1	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	1	1	1	1	0	0	0	1	1	1
25	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	2	1	2	3	2	2	1	1	1	0	0	0	0	0	1
27	0	1	1	0	0	0	0	0	2	1	3	3	3	3	2	2	2	4	5	4	1	0	0	1	1
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31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	0	1	0	0.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
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7	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	3	1	1	0	0	1	0	1	1
10	0	0	0	1	0	0	2	2	3	3	2	3	2	2	2	1	1	1	1	1	0	1	2	1
11	2	1	1	1	0	1	1	1	0	0	1	2	2	2	2	2	2	2	2	3	2	1	0	1
12	0	0	1	1	0	0	0	1	1	3	3	1	1	1	1	1	1	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	3	3	2	2	2	1	1	1	1	1	1	0	0
18	1	2	2	2	1	1	2	4	2	2	2	2	2	2	2	2	2	1	1	2	1	0	0	2
19	0	1	1	1	1	1	1	1	4	4	2	2	2	2	2	2	2	2	1	1	1	2	1	2
20	3	3	2	3	1	4	2	2	1	2	2	1	2	2	1	2	2	3	3	1	1	1	1	2
21	3	3	2	2	3	3	3	3	2	1	2	2	2	2	3	2	2	1	1	1	1	1	1	2
22	0	1	1	1	1	1	1	2	2	2	2	3	3	3	1	2	2	2	2	1	2	2	2	2
23	2	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	3	3	7	4	5	1	2
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	2	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	2	2	2	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	2	5	2	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0
29	0	0	0	0	0	0	0	0	0	4	3	2	2	2	2	2	2	1	1	1	1	2	6	1
30	5	3	3	3	3	2	1	2	1	1	1	1	1	2	6	2	2	1	1	1	2	2	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	2	1	1	1	1	1	1	----	1	----	2	1	1	1	1	1	1	1
2	1	1	1	1	1	2	1	2	2	2	2	2	2	2	3	4	3	3	1	1	2	2	1	2	2
3	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	4	4	2	2	1	1	1	2
4	1	1	1	1	1	1	1	2	2	7	10	5	4	4	3	1	1	3	3	3	3	3	1	1	3
5	2	1	1	1	1	9	4	2	2	2	2	2	2	2	1	1	1	3	2	1	1	1	1	1	2
6	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1
7	0	0	0	0	0	0	0	0	-----	-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	2	3	2	2	3	2	3	2	1	2	1	1	1	1	1	1	2
11	1	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	2	2	1	1	2	1	1	2	2	3	3	3	2	2	1	1	1	2	2	2	2	2	2
13	2	1	1	1	0	0	0	1	0	1	2	2	3	3	3	3	2	2	1	0	0	1	1	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	2	3	2	1	1	1	1	2	1	1	1	1	1	0	0	1	1	1	1
16	1	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	2	1	2	1	1	0	1	2	3	3	3	4	3	7	2	0	1	1
20	1	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	5	3	1	1	1	3	1
21	2	1	1	1	1	2	2	3	4	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
22	1	1	1	1	0	1	1	2	2	----	1	1	4	2	1	2	2	1	1	1	1	1	1	2	1
23	1	1	0	1	1	2	1	1	1	1	1	1	3	3	3	3	2	2	1	1	1	1	0	0	1
24	1	1	1	1	1	1	1	0	1	1	1	1	2	2	3	2	4	3	4	2	1	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	1	2	----	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	----	0	0	0	0	1	2	6	13	11	8	6	4	2	2	2	3	4	2	2	1	1	0	0
28	1	1	4	4	4	3	2	2	2	2	2	5	5	----	1	2	3	2	2	1	1	1	0	0	0
29	0	1	0	0	0	1	0	0	8	3	1	2	1	2	2	2	2	2	3	2	1	1	1	1	1
30	1	1	1	1	1	1	1	1	2	4	3	2	3	3	4	1	1	1	0	0	0	0	0	0	0
31	1	1	1	1	2	2	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.1      PERCENTAGE OF DATA INVALID - 1.3      PERCENTAGE OF DATA UNAVAILABLE - 0.5

- NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "----" INDICATES DATA IS UNAVAILABLE  
 3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JUN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0
2	0	1	1	0	0	0	1	1	---	2	1	1	3	1	1	1	1	1	2	1	1	1	0	1	1
3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	3	3	1
4	2	1	0	0	1	1	1	0	1	1	1	2	1	1	0	0	0	0	2	5	5	6	5	2	2
5	1	1	2	2	1	1	1	0	0	---	---	4	2	1	1	1	1	1	1	0	0	0	0	0	1
6	1	0	0	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	0	1
7	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	2	2	2	2	1	1
8	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	4	3	1
9	3	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
11	0	0	0	0	0	0	0	---	0	---	---	0	0	0	0	0	0	0	0	1	1	0	0	0	0
12	0	0	0	0	0	4	3	2	---	5	---	4	3	1	1	2	2	2	1	1	0	1	0	0	1
13	0	3	2	2	0	1	2	3	3	---	---	2	4	3	5	6	7	4	3	2	---	1	3	3	2
14	2	1	1	1	---	---	---	---	---	---	2	4	3	3	3	2	2	2	3	2	2	1	1	1	1
15	2	2	2	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	2	5	3
16	0	0	0	0	1	1	1	1	1	2	1	1	2	1	1	---	0	0	0	1	0	2	5	3	1
17	1	0	0	0	0	0	1	3	2	4	1	1	2	2	1	1	1	2	2	1	0	0	0	1	1
18	0	1	2	1	1	4	5	6	4	5	3	3	1	1	1	1	1	1	2	5	0	7	10	7	3
19	7	8	5	3	1	1	1	1	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	1	2
20	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	2	2	1	0	0	0	0	1
22	0	0	0	0	0	1	1	1	1	2	1	1	0	1	5	4	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	2	2	1	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1
24	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	2	2	3	3	2	2	2	1	1	0	3	1	---	1	1	1	1	1
26	1	1	1	1	1	2	3	2	3	4	4	3	2	2	1	1	1	1	1	0	0	1	1	1	2
27	1	0	1	1	0	0	0	---	1	0	0	0	0	0	1	1	1	1	0	0	1	1	1	3	1
28	2	3	2	1	0	0	0	2	2	2	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1
29	1	1	0	2	2	---	---	6	6	2	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0
30	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
MEAN	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 96.1      PERCENTAGE OF DATA INVALID - 3.1      PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "----" INDICATES DATA IS UNAVAILABLE  
 3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR		MONTH - JUL 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	1	0	1	2	5	5	5	3	3	3	2	2	1	4	3	3	2	2	1	2
2	1	1	3	2	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
3	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	1	2	1	2	3	5	4	2	1	0	0	0	0	0	0	0	1	3	1	0	3	1
12	2	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	0.7

PERCENTAGE OF DATA VALID - 84.9

PERCENTAGE OF DATA INVALID - 14.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR		MONTH - AUG 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	2	2	2	3	3	3	2	2	3	3	6	6	6	6	4	6	4	4	5	5	5	5	5	4
10	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	4
11	5	5	5	5	6	6	6	5	5	3	0	0	2	1	0	0	0	0	2	1	1	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	2	3	3	0	0	0	2	4	2	1	1	0	1	0	1	0	1	2	1	1	1	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	0	1	1	1	0	0	0	3	2	0	1	1	0	0	0	0	0	0	0
20	0	0	1	0	1	0	0	0	1	2	6	7	4	0	0	1	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1
23	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
24	2	2	2	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	0	1	1	1	1	1	2	2	3	5	4	3	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	2	3	5	4	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	2
27	1	0	0	1	1	1	2	3	1	4	3	2	3	3	2	1	1	1	1	0	0	0	0	0	2
28	0	1	0	1	1	1	2	2	4	5	6	4	3	3	4	3	2	1	1	0	0	0	0	0	2
29	0	0	0	1	1	1	1	1	1	0	2	1	2	1	1	1	0	1	1	1	1	1	1	0	1
30	0	1	2	2	2	1	0	1	4	4	4	1	2	3	1	1	2	2	1	0	1	0	0	1	2
31	2	2	4	3	1	3	3	2	3	2	3	2	1	1	0	0	0	1	1	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 88.4

PERCENTAGE OF DATA INVALID - 11.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	****	1	1	0	1	1	1	0	2	1	1	1	2	3	3	1	0	0	0	1	2	1	1
2	1	2	2	2	1	1	1	1	1	2	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	1	0	-	0	0	1	0	0
4	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	1	1	1	0	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0
7	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	2	2	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	2	1	0	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1
10	1	1	1	1	1	1	1	2	1	0	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1
11	1	1	3	3	4	4	6	1	3	3	2	1	1	1	1	1	1	2	2	1	0	0	0	0	2
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
14	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	0	0	0	0	0	1	2	1	1	2	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0
19	0	0	0	1	0	0	0	0	1	2	3	2	1	1	2	2	3	2	1	1	1	1	1	1	1
20	1	1	1	3	4	4	4	5	2	3	2	2	1	1	1	4	1	2	1	1	1	2	2	2	2
21	1	1	1	1	1	1	1	1	1	2	1	2	5	3	4	3	2	2	1	1	1	1	1	0	2
22	1	1	0	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	2	2	1	0	0	0	1
23	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
24	3	1	0	1	0	0	1	0	0	0	1	2	4	5	4	3	5	3	1	0	1	1	0	0	1
25	0	1	0	0	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
27	0	1	0	0	0	0	1	2	2	1	1	3	5	6	2	3	1	2	2	3	1	1	1	1	2
28	1	1	1	1	1	0	0	1	1	1	1	1	1	1	2	1	2	1	5	4	5	4	1	1	1
29	0	0	0	1	1	0	1	1	2	1	1	1	1	1	1	1	3	2	1	1	1	0	1	1	1
30	1	1	1	1	1	1	1	1	2	4	8	5	4	1	0	-	4	3	1	0	0	0	0	0	1
MEAN	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	1	1	2	2	2	2	2	1	1	1	2	3	1	1	1	1	1	1	0	0	1
2	0	0	2	2	2	2	1	1	1	1	1	1	0	0	1	-	1	0	0	1	1	1	0	0	1
3	0	0	0	0	0	0	3	3	2	2	2	1	1	2	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	1	0	2	1	3	6	1	0	0	2	1	0	0	-	1	0	0	0	1	5	1
7	2	0	0	0	0	0	0	1	2	2	6	12	4	1	1	1	1	1	1	1	0	0	0	0	2
8	0	0	1	1	1	1	1	1	7	-	-	2	2	2	2	1	0	0	1	1	1	0	0	0	1
9	0	0	0	0	0	0	0	1	0	1	1	1	8	7	6	4	5	8	11	12	8	6	1	0	3
10	0	0	0	0	0	0	0	1	1	0	0	0	2	2	2	3	2	1	1	0	1	1	1	0	1
11	5	7	5	5	3	2	4	3	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	1	0	0	1	1	2	2	2	2	2	1	1	1	1	0	0	1	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0	0	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	3	0
18	4	6	3	1	1	2	3	4	3	3	1	1	1	1	1	1	1	1	2	3	6	2	0	1	2
19	1	1	0	2	1	1	0	0	0	1	0	0	1	0	0	0	1	1	1	1	1	1	2	1	1
20	2	3	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0
24	1	1	1	1	1	2	2	2	3	3	2	3	2	2	2	3	2	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	1	2	2	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	1	2	2	2	3	2	5	1	1	1	1	1	2	3	0	1	2	4	1	2	0	2
28	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0
30	1	0	0	0	0	1	1	4	4	5	4	3	3	1	1	1	1	0	1	0	2	3	3	4	2
31	4	4	3	3	-	3	4	4	4	2	3	1	2	2	2	2	1	0	1	1	4	4	4	-	4
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 1.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	8	1	0	0	0	0	1
3	0	0	0	0	1	1	1	0	0	1	2	2	2	2	2	2	1	1	1	3	2	1	1	1	1
4	1	1	1	1	1	3	3	3	2	1	1	2	2	2	2	2	4	3	2	2	2	2	4	3	2
5	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	5	6	3	3	3	3	3	6	4	4	5	6	4	2	2	1	2	2	3	6	0	2
7	8	8	8	3	3	2	1	1	2	3	0	2	2	2	2	3	3	2	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	0	0	0	1
9	0	0	0	0	2	2	5	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	3	0	1	5	11	6	3	5	3	4	1	0	6	6	3	1	1	2	1	1	4	3	6	3
20	3	1	0	0	0	0	0	0	0	1	1	1	1	2	2	1	0	0	0	0	2	2	1	2	1
21	1	1	4	3	4	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	1
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	2	0	3	2	1	0	1	1	3	3	5	5	7	5	2	2	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 81.1

PERCENTAGE OF DATA INVALID - 13.9

PERCENTAGE OF DATA UNAVAILABLE - 5.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	1	1	0	0	2	1	1	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1
4	0	1	0	0	0	0	0	0	1	2	2	4	1	1	1	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	1	0	1	1	2	1	1	6	2	2	2	1	1	1	0	0	1	1	2	2	1
6	2	3	3	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	0	0	0	1	2	0	1
8	0	0	0	0	0	0	0	1	1	3	1	3	4	1	1	0	0	1	1	1	0	0	0	0	1
9	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	2	1	2	3	3	4	4	6	4	7	1	0	0	0	0	2
12	0	0	1	3	3	1	2	2	1	1	2	2	2	5	7	7	4	4	4	2	1	1	2	3	3
13	2	4	4	5	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	4	5	4	3	3	3
14	3	4	3	3	2	3	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
15	3	4	3	2	2	2	3	3	3	3	3	3	3	3	3	3	1	2	2	4	2	2	2	1	2
16	2	2	1	1	1	2	1	1	1	3	7	11	6	3	3	3	2	3	3	3	3	4	4	4	4
17	3	3	3	3	4	4	4	4	5	5	3	5	5	9	8	4	4	1	1	1	1	1	1	1	1
18	5	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	2	7	1	0	1
22	2	0	0	1	1	1	1	2	2	0	1	0	1	1	2	1	3	4	5	6	5	4	4	3	2
23	2	2	3	3	3	4	4	3	2	8	10	5	6	3	6	4	2	2	2	2	2	2	2	2	2
24	4	1	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	5	0	0	1	2	2	4	5	2	1	2	5	2	2	6	6	2	2	2	2	2	1	1	2	2
27	2	2	2	1	1	1	1	1	1	1	2	3	4	7	7	7	5	3	3	4	3	4	3	3	3
28	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	3	3	4	6	7	3	2	2	2	0	0	0	0	1	2	4	3	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	1	2	2	2	2	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 90.1

PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	3	8
FEB	25	1.5	4	10
MAR	31	0.9	3	12
APR	30	0.8	2	7
MAY	31	1.2	3	13
JUN	30	1.0	3	10
JUL	25	0.7	3	9
AUG	27	1.1	4	8
SEP	30	0.8	2	8
OCT	31	0.9	3	12
NOV	24	1.0	4	11
DEC	28	1.6	4	11
YEAR	343	1.1	4	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	720	15	0	0	0	0	0	0	735
FEB	613	18	0	0	0	0	0	0	631
MAR	725	9	1	0	0	0	0	0	735
APR	696	5	0	0	0	0	0	0	701
MAY	720	8	2	0	0	0	0	0	730
JUN	681	11	0	0	0	0	0	0	692
JUL	623	9	0	0	0	0	0	0	632
AUG	647	11	0	0	0	0	0	0	658
SEP	710	3	0	0	0	0	0	0	713
OCT	713	12	3	0	0	0	0	0	728
NOV	566	17	1	0	0	0	0	0	584
DEC	639	30	1	0	0	0	0	0	670
YEAR	8053	148	8	0	0	0	0	0	8209

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.5	0	0.0	0.0	0.2	0.8	2.4	3.4	4.9	5.9	13	1.1



UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH : JAN BO

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	2	4	4	4	3	3	4	3	2	2	2	1	1	1
11	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	1	1	0	0	1	0	0
14	0	0	0	0	0	0	0	0	0	1	2	3	4	2	1	1	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0
18	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	0	0	1	1	1	1	2	2	1	0	0	0	0	0	1	0	0	0
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	- DATA INVALID -													
24													- DATA INVALID -												
25													- DATA INVALID -												
26													- DATA UNAVAILABLE -												
27													- DATA UNAVAILABLE -												
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	0	0	0	1	1	1	1	0
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
31													- DATA INVALID -												
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 78.8

PERCENTAGE OF DATA INVALID - 11.4

PERCENTAGE OF DATA UNAVAILABLE - 9.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*-\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - FEB BO

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1												- DATA INVALID -														
2												- DATA INVALID -														
3												- DATA INVALID -														
4												- DATA INVALID -														
5												- DATA INVALID -														
6												- DATA INVALID -														
7												- DATA INVALID -														
8												- DATA INVALID -														
9												- DATA INVALID -														
10												- DATA INVALID -														
11												- DATA INVALID -														
12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0	1	1	1	1	1	1	2	2	2	....
13	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	3	2	1	1	2	2	1	1	2	1	
14	4	5	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
15												- DATA INVALID -														
16												- DATA INVALID -														
17												- DATA INVALID -														
18												- DATA INVALID -														
19												- DATA INVALID -														
20												- DATA INVALID -														
21												- DATA UNAVAILABLE -														
22	-	-	-	-	-	-	-	-	-	-	-	....	0	0	0	0	0	0	0	0	0	0	0	0	....	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

PERCENTAGE OF DATA VALID - 31.2

PERCENTAGE OF DATA INVALID - 60.2

PERCENTAGE OF DATA UNAVAILABLE - 8.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 12013											FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR											MONTH - MAR 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	
4	1	1	1	1	1	1	2	2	2	4	6	9	5	4	3	3	3	2	1	1	1	1	1	1	2	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - SW NO 12013											FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR											MONTH - APR 80			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 94.3

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12013		FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
2	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1
3	1	1	1	0	0	0	0	0	0	1	1	2	1	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	0	0	1	1	1	1	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
19	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
20	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
22	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	1	1	1	1	1	1	1	0
27	1	1	1	1	1	1	1	1	1	2	4	5	5	3	3	2	2	2	2	2	1	1	1	1	2
28	1	1	0	1	1	1	1	1	2	2	3	2	2	3	2	2	2	2	3	3	2	2	1	1	2
29	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	1	1	1	1
30	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
MEAN	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 91.9      PERCENTAGE OF DATA INVALID - 8.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12013		FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR												MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.2      PERCENTAGE OF DATA INVALID - 1.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 12013										FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR										MONTH - SEP 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - C.C. PARTS/MILLION															
STATION - SW NO 12013											FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR											MONTH - OCT 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	1	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	
9	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	1	1	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21												- DATA INVALID -														
22												- DATA INVALID -														
23												- DATA INVALID -														
24												- DATA INVALID -														
25												- DATA INVALID -														
26												- DATA INVALID -														
27												- DATA INVALID -														
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	

PERCENTAGE OF DATA VALID - 76.7

PERCENTAGE OF DATA INVALID - 23.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOT



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12013												FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR													
												MONTH - NOV 80													
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2																									
3																									
4																									
5																									
6																									
7																									
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 79.9

PERCENTAGE OF DATA INVALID - 20.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION														
		STATION - SW NO 12013										FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR														
												MONTH - DEC 80														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2																										
3																										
4																										
5																										
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8																										
9																										
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 81.6



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	23	0.3	1	4
FEB	8	0.2	1	5
MAR	31	0.1	2	9
APR	28	0.1	1	2
MAY	27	0.6	2	5
JUN	30	0.1	0	2
JUL	31	0.1	1	6
AUG	31	0.0	1	3
SEP	30	0.0	1	1
OCT	23	0.1	1	3
NOV	24	0.1	1	3
DEC	24	0.1	1	4
YEAR	310	0.1	2	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	586	0	0	0	0	0	0	0	586
FEB	217	0	0	0	0	0	0	0	217
MAR	742	2	0	0	0	0	0	0	744
APR	679	0	0	0	0	0	0	0	679
MAY	684	0	0	0	0	0	0	0	684
JUN	707	0	0	0	0	0	0	0	707
JUL	733	1	0	0	0	0	0	0	734
AUG	733	0	0	0	0	0	0	0	733
SEP	706	0	0	0	0	0	0	0	706
OCT	571	0	0	0	0	0	0	0	571
NOV	575	0	0	0	0	0	0	0	575
DEC	607	0	0	0	0	0	0	0	607
YEAR	7540	3	0	0	0	0	0	0	7543

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.9	0	0.0	0.0	0.0	0.0	0.1	0.7	1.2	1.8	9	0.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - JAN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	5	6	10	8	9	7	4	3	4	3	3	4	5	5	3	1	1	1	1	1	1	1	4
2	1	4	2	2	2	2	3	4	2	1	1	2	1	2	1	1	2	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	3	2	3	2	2	2	1	1	1	1	1	1	1	1	7	3	4	4	4	4	4	3	2
5	3	3	4	4	4	2	2	2	2	3	3	4	3	3	1	1	0	0	0	0	1	2	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	4
7	1	1	5	2	3	6	4	5	4	3	4	4	5	4	5	5	5	5	3	3	3	5	1	0	2
8	3	2	3	2	1	1	2	2	4	4	4	4	2	2	3	2	1	3	3	2	2	3	1	0	2
9	1	2	2	1	1	1	1	1	0	1	1	1	1	4	1	2	5	1	1	1	1	1	1	1	1
10	2	1	1	1	1	0	0	0	0	0	1	3	5	6	5	7	1	5	4	3	2	1	0	0	2
11	2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	2	2	2	2	1	1	3	3	1
12	2	4	3	2	0	1	1	2	2	2	1	1	1	1	1	2	1	2	2	1	0	0	0	0	1
13	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	1	0	0	0	0	1	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	4	4	1
15	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	1	2	5	3	1
16	1	1	1	1	1	1	1	1	1	0	1	2	4	3	4	3	3	3	3	3	1	1	1	1	2
17	1	1	1	1	1	0	0	0	0	0	1	0	3	6	5	7	7	7	4	6	5	5	4	3	3
18	3	3	3	2	3	5	4	1	0	1	2	2	1	0	2	0	1	0	0	0	0	0	0	0	2
19	0	2	0	1	0	4	4	1	1	9	0	1	1	2	1	1	1	1	2	0	1	0	0	0	2
20	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2	1	0	1	0	2	3	1	3	0	2
22	0	1	0	0	1	1	1	3	3	2	3	4	4	2	2	2	1	1	2	2	0	1	0	1	2
23	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
24	1	4	3	2	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	2	2	1	2	1	0	0	0	1	0	0	2	2	0
26	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	4	6	6	7	5	3	4	5	5	3	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0
30	1	1	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	2	1	1	1	1	2	1	2	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 91.7

PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR												MONTH - FEB 80													
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	0	0	1	2	2	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
2	1	0	0	0	1	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3																									
4																									
5																									
6																									
7	2	2	2	2	2	1	1	0	0	0	0	1	1	2	5	2	2	1	1	1	2	1	2	1	1
8	0	1	1	1	1	0	0	0	0	1	1	1	6	5	2	2	2	2	2	1	1	1	1	1	1
9	1	2	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	2	1	1	2	2	2	1	1
10	0	2	1	0	1	0	0	0	0	0	0	1	2	1	2	1	1	1	1	1	1	2	2	2	1
11	3	2	2	5	5	3	3	2	0	1	1	1	3	4	3	4	3	3	3	1	3	1	2	2	2
12	3	4	2	3	3	3	4	3	2	3	1	2	3	3	4	3	3	4	3	3	3	3	3	3	3
13	3	2	4	4	2	2	1	1	2	4	3	3	3	4	3	3	2	3	3	3	3	3	3	3	3
14	5	6	4	5	5	5	6	2	4	4	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
17	0	1	0	0	0	0	0	0	0	3	5	4	2	0	1	1	0	0	0	1	1	4	1	1	1
18	3	4	4	3	1	0	0	0	0	0	0	1	0	0	0	0	1	2	2	0	0	1	2	0	0
19	0	2	3	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	1	1	1	1	0	0	1	0	3	2	0	0	0	1	2	0	1	0	0	1	1	1
23	0	1	2	2	1	1	2	1	0	0	1	0	0	0	0	0	0	0	1	1	0	1	3	4	1
24	2	2	3	1	1	1	0	0	1	1	0	1	0	2	0	0	2	2	1	2	1	2	2	2	1
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	1	3	2	3	1	1	0	1	1	1	1	1	1
27	6	9	8	9	8	6	4	3	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 86.2

PERCENTAGE OF DATA INVALID - 13.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1	0	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	5	4	4	3	4	1	1	1	1	1	0	0	1	0	0	0	2	3	2	5	1	2	1	2
4	1	1	1	1	4	3	5	2	2	4	10	9	0	0	0	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	4	4	2	1	0	0	2	3	0	0	4	2	2	2	2	1	1	0	0	0	0	0	0
7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0
9	2	3	2	2	2	0	0	0	2	4	3	4	4	2	2	2	3	0	0	0	0	0	1	0	2
10	0	1	1	2	1	1	1	1	1	2	2	2	3	4	5	5	4	2	0	0	0	0	0	0	2
11	1	3	3	3	3	4	4	3	2	2	1	1	1	0	0	0	0	0	1	1	0	1	0	0	2
12	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
14	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0
18	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	2	0	0	1	1	0	1	0	0	0
19	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0
20	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
21	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	1
22	1	1	2	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	1	1	1	1	1	0	0	1	1	2	2	2	3	3	3	3	4	4	3	2	1	1	1	2
24	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	2	6	2	2	2	1	2	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	5	5	5	2	1	1	0	1
28	0	0	0	0	0	0	0	0	1	3	3	2	1	4	3	4	3	4	2	1	1	1	1	1	1
29	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	1	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	2	2	0
3	0	0	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	3	1	1	1	2	3	3	1	0	0	0	0	0	0	0	0	0	1	0	0	1
5	1	1	1	1	3	5	4	4	2	3	2	1	0	0	0	0	0	0	0	0	0	1	2	5	2
6	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	1	0	0	0	0	2	0	1	0	0	0	0	0	0	0	1	0
10	0	0	0	0	0	0	1	2	1	4	4	4	2	3	2	0	4	4	3	3	3	3	0	0	2
11	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	3	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	5	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0
20	1	2	2	1	1	6	4	1	0	0	0	0	1	1	0	0	1	2	1	0	0	0	0	0	1
21	2	1	1	0	0	1	1	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	0	1	6	6	1	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	0	1	0
30	5	2	0	0	0	0	0	0	0	1	1	1	0	1	3	3	1	1	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 12016						COLLEGE/SOUTH STREET WINDSOR						MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	1	2	2	2	2	2	6	0	2	0	0	0	1	2	2	1	1	1	
3	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0	0	0	1	2	1	1	1	2	1	1	
4	0	0	0	0	0	0	0	1	1	4	4	2	2	3	1	1	0	0	1	1	1	2	0	0	1	
5	1	1	3	1	3	3	7	6	3	4	4	2	3	2	1	2	2	3	2	2	3	2	0	1	0	
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	
7	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
9	0	0	0	0	0	0	1	2	0	0	0	1	0	1	0	2	2	2	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	1	2	2	3	4	2	3	2	1	1	1	1	1	1	1	1	1	
11	1	1	1	1	1	1	2	4	4	3	2	1	2	2	1	1	0	1	1	1	1	1	1	1	1	
12	1	1	1	1	2	1	2	2	2	3	5	3	2	3	2	2	1	2	2	2	2	2	2	2	2	
13	1	1	0	0	0	0	0	1	1	1	1	1	1	3	1	1	2	2	1	2	3	4	0	0	0	
14	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	
15	0	0	0	0	0	0	1	3	3	1	1	0	2	5	2	1	1	0	0	0	0	0	0	0	0	
16	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
19	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	1	2	2	2	3	3	6	7	1	2	
20	2	1	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	3	5	1	0	1	2	
21	3	2	2	2	1	2	3	5	4	3	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	
22	1	2	1	0	0	0	0	2	4	3	4	0	0	1	1	1	1	1	2	1	0	1	1	1	2	
23	1	1	1	1	1	1	1	2	2	1	1	1	2	3	3	3	2	2	2	1	1	1	1	1	2	
24	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	1	1	1	1	2	
25	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0	1	1	1	0	1	
26	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	
27	0	0	0	0	0	0	0	1	7	7	12	7	4	5	4	2	2	2	2	2	1	1	1	1	2	
28	0	2	4	6	1	0	0	4	3	3	8	3	1	1	2	2	2	1	2	1	1	1	1	1	2	
29	1	1	1	1	0	0	0	0	3	2	2	2	3	4	2	2	1	3	1	1	1	1	1	1	1	
30	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	2	0	0	0	0	0	0	0	1	
31	1	0	0	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1	
MEAN	1	1	1	1	0	0	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1.0	

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR												MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	1	2	2	1	1	2	2	2	1	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4	3	1
4	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	4	7	7	4	1
5	3	2	1	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	0	0
8	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
9	0	0	1	1	0	1	0	1	1	1	2	1	2	1	0	0	0	0	1	0	0	2	0	0	1
10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0
11	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	1	3	1	0	0	0	2
12	0	0	1	1	1	4	3	3	3	4	3	3	3	1	2	2	3	3	3	2	2	1	1	1	3
13	1	2	7	2	1	3	1	3	2	2	2	2	5	7	9	6	3	1	1	1	1	1	1	1	2
14	2	2	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	1	1	1
15	4	3	1	1	1	0	1	1	1	0	2	0	0	0	0	0	0	0	0	1	1	1	2	2	0
16	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	1
17	0	0	0	0	0	0	0	0	1	2	3	3	1	0	0	0	0	0	0	1	2	2	2	3	0
18	5	4	4	2	3	4	4	4	7	6	4	3	3	2	2	1	1	2	2	7	2	5	9	7	4
19	6	8	6	3	2	1	1	1	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0	0	2
20	1	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	1	0	1	3	3	1	1
21	1	1	2	2	1	1	0	2	1	1	1	2	1	0	0	1	2	2	1	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	3	1	1	0	1	1	8	4	1	1	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	1	1	1	3	1	1	1	0	0	0	0	0	1	1	1	0	0	1
24	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	0	1	2	0	0	0	0	0	0	0
26	0	0	0	0	0	1	1	0	1	0	0	0	1	1	1	1	2	1	0	0	0	0	3	0	1
27	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0
28	2	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
29	0	0	0	0	2	1	1	1	1	1	1	1	3	3	2	2	1	0	0	0	0	0	0	0	1
30	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 2.9

PERCENTAGE OF DATA UNAVAILABLE - 0.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	2	3	4	4	3	3	2	1	1	0	3	2	1	2	1	0	
2	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	10	12	7	8	12	13	3
3	12	5	3	2	1	0	1	1	2	1	1	1	2	3	2	2	2	1	1	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
8	0	0	1	0	0	0	0	0	0	0	0	1	0	3	0	0	0	3	4	4	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0
11	0	0	0	1	2	0	3	4	1	2	3	2	1	1	1	2	1	0	0	0	2	0	1	4	1
12	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	2	3	2	2	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	3	1	1	1	1	1	1	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	4	1
18	0	0	0	0	0	0	0	0	0	1	7	3	1	2	3	3	3	0	0	0	0	0	0	0	1
19	0	0	0	0	1	1	2	2	2	2	1	1	3	3	3	2	2	0	2	1	1	1	0	0	1
20	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	2	1	0	0	0	0	1	1	1	0
21	0	1	0	1	2	1	0	2	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	3	0
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	2	6	11	2	2	2	1	1	1	3	1	1	1	1	1	2
25	1	1	0	0	0	0	1	2	1	3	4	2	1	2	2	1	1	1	1	1	1	1	1	1	1
26	1	2	1	1	0	0	0	2	3	2	1	1	2	2	3	1	1	2	6	3	1	1	1	2	1
27	1	1	1	1	1	0	1	1	0	0	0	0	0	1	0	1	1	0	0	1	1	1	1	1	1
28	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	2	1	1	1	2	2	2	2	3	1	1	1	1	2	2	3	1	1	0	0	0	0	1
30	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	0
MEAN	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 93.7

PERCENTAGE OF DATA INVALID - 5.6

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - AUG 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	3	2	2	3	5	4	2	2	2	3	1	1	1	1	2	2	0	1	1	2
2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	2	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0	0	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	2	1	0	1	2	4	5	1
6	4	3	6	3	2	2	2	3	1	0	0	1	1	1	1	1	2	2	2	2	2	2	2	2	2
7	3	3	3	2	2	3	3	3	2	2	2	4	4	5	4	2	2	-	4	4	4	5	3	2	3
8	2	2	2	2	2	2	2	2	2	2	2	3	2	1	2	2	1	0	0	1	0	0	0	2	2
9	0	0	0	0	0	0	0	0	0	0	0	1	1	3	4	0	0	0	0	0	0	0	0	0	1
10	- DATA INVALID -																								
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	2	1	1	1	2	0	0	0	0	0	0	0	0	0	0
14	1	4	3	2	1	0	0	2	4	3	3	3	3	2	2	2	2	2	1	2	2	1	2	1	2
15	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	2	1	2	5	1	1	1	2	2	1	1	1	2	1	6	1
19	6	1	1	0	0	0	0	0	1	1	0	0	1	2	1	1	1	1	1	0	0	0	0	0	1
20	2	2	2	2	2	1	1	1	2	2	3	7	5	3	2	2	2	2	1	1	1	1	1	1	2
21	1	1	-	0	1	2	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	-	0	1	3	2	2	1	0	2	2	1	1	1	1	0	0	1	1
27	0	0	0	0	0	0	0	1	1	2	1	1	3	1	1	1	1	1	1	0	0	0	0	0	1
28	0	0	0	0	1	1	0	0	1	2	4	2	2	3	4	2	1	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
30	0	0	2	1	1	0	0	1	2	2	2	1	2	2	3	0	2	2	0	0	0	0	0	1	1
31	1	1	2	4	3	1	1	3	3	1	3	1	1	1	0	0	4	1	0	0	0	0	2	0	1
MEAN	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.8

PERCENTAGE OF DATA VALID - 92.5

PERCENTAGE OF DATA INVALID - 7.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR												MONTH - SEP '80												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	0	1	0	1	2	2	2	0	1	1	2	1	0	1
2	0	0	1	1	0	0	0	1	1	2	2	3	2	1	1	0	0	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	2	1
4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	2	3	4	2	0	0	0	0	0
5	7	2	1	1	1	2	2	2	0	1	1	1	0	2	2	4	2	0	0	0	1	0	0	0
6	0	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	4	0
11	1	0	0	0	0	0	0	0	1	1	2	0	1	4	3	3	2	2	2	1	0	0	0	1
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0
14	1	2	1	1	1	1	0	0	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0
15	1	0	1	1	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	0	0	0	0
16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	0	1	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0
18	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	1	0	0	0	0	0	1	0	0	0	1	2	3	2	1	1	0	0	1	1	1
20	2	1	2	4	5	5	3	4	2	2	2	2	1	1	2	3	2	2	1	1	1	2	1	2
21	1	0	0	1	1	1	1	1	1	1	1	2	3	5	6	6	8	6	3	2	2	2	2	2
22	1	2	2	2	1	1	1	1	1	2	3	3	3	3	2	3	4	3	2	3	4	5	4	2
23	3	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	0	1	2	3	3	1	2	2
24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	2	3	5	4	3	3	3	1	0	2	2	0	0
26	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	2	3	4	1	2	0	1	0	1	0	1	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	4	4	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	3	3	2	3	5	4	2	2	2	2	2	2	2
30	2	2	2	1	0	0	0	0	1	5	6	5	3	2	2	5	4	2	2	2	2	2	2	2
MEAN	1	0	0	1	0	1	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR												MONTH - OCT '80												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	2	3	3	3	3	3	3	3	3	3	4	3	2	3	3	3	3	2	2	3	3
2	3	3	2	2	5	5	6	3	2	2	2	2	3	2	2	2	2	2	1	1	1	0	0	2
3	0	0	0	0	0	0	1	0	2	1	1	2	3	2	2	0	0	0	1	1	1	1	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0
7	2	0	0	0	0	0	0	0	0	2	4	10	7	1	1	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	1	2	0	0	6	5	4	3	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	5	7	4	5	4	6	11	13	10	5	1	3
10	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	1	0	0	0	1	1	1	5	1
11	1	2	3	4	1	1	3	5	3	2	4	2	1	1	1	1	1	1	2	1	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
13	1	1	1	0	6	9	2	3	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	0	1	0	0	1	0	0	0	0	0	0	1	2	1	0	0	1	0	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
18	3	1	3	4	3	3	3	1	0	2	5	4	4	3	2	2	3	1	0	0	0	1	3	2
19	4	2	1	1	1	1	0	0	1	2	1	1	2	0	1	3	2	0	1	2	3	1	5	1
20	4	4	3	5	4	3	0	0	0	0	2	2	2	1	2	4	4	3	2	3	1	0	0	2
21	0	0	1	3	2	4	4	3	2	2	1	1	0	1	0	0	0	0	0	0	0	0	0	1
22	0	1	2	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	2	4	2	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	2	2	2	0	2	3	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	1	2	1	3	3	0	4	1	0	0	0	0	0	0	1	4	3	3	1
31	3	3	5	4	4	1	2	1	1	5	5	3	2	3	2	2	3	2	2	5	8	7	10	6
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	2	1	1	2	1	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	4	10	1	0	0	0	0	1
3	0	0	0	0	1	1	0	0	0	1	2	2	1	2	2	2	1	1	1	3	3	1	1	0	1
4	0	0	1	2	3	2	2	2	1	2	1	1	1	1	2	2	2	2	3	3	2	2	3	3	2
5	3	2	1	1	1	1	2	2	1	2	2	1	1	3	1	0	1	1	1	1	8	1	3	5	2
6	1	1	6	5	2	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	1	2	8	8	2
7	3	2	2	1	1	1	1	0	1	1	1	1	1	0	1	2	1	2	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	4	1	0	0	0	0	1	0	0	1
9	0	1	1	1	2	3	3	2	2	3	1	0	0	1	1	1	1	2	1	2	3	3	1	1	2
10	0	0	1	2	0	1	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
12	1	1	0	1	1	1	0	1	2	2	4	5	4	2	1	0	1	1	0	1	2	1	1	0	1
13	0	0	1	1	2	3	3	4	3	3	3	4	5	4	1	1	1	1	0	1	3	0	0	0	2
14	1	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	3	4	3	1
19	3	2	3	2	0	0	1	2	4	6	4	3	1	2	1	1	1	1	1	0	0	0	2	6	2
20	3	0	0	0	0	0	0	0	1	1	1	2	1	2	1	1	1	1	2	1	3	3	3	4	1
21	3	2	3	3	2	2	3	2	2	1	4	2	1	1	0	0	1	2	3	4	3	2	3	3	2
22	2	0	0	0	0	0	0	0	2	3	2	1	0	1	1	1	1	0	2	1	2	2	1	1	1
23	1	1	1	1	1	0	1	1	1	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1
24	0	2	2	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	3	0	1	0	0	0	1	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0
26	0	0	1	1	1	0	0	0	0	2	2	6	6	5	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
28	2	1	1	2	1	1	4	3	3	3	3	2	2	2	1	1	1	2	2	1	2	4	4	4	2
29	4	2	2	3	1	3	4	4	6	4	3	1	2	2	1	2	2	2	2	2	3	3	4	4	3
30	3	2	2	4	6	4	2	1	1	1	3	7	3	1	1	2	2	2	2	3	2	2	3	3	3
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.1

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	3	6	3	3	1	2	4	3	****	8	2	1	1	2	1	1	1	1	1	1	2
2	0	0	1	1	0	0	1	1	1	0	0	1	1	0	0	1	0	0	2	1	1	2	1	1	1
3	1	0	0	0	1	0	2	2	2	1	1	1	2	1	0	0	0	1	0	0	0	1	1	0	1
4	0	0	0	0	0	0	0	0	2	4	5	2	****	3	1	0	0	0	0	0	0	-	0	1	1
5	0	1	1	2	2	1	1	1	1	2	***	2	2	2	2	1	1	1	1	1	1	2	2	3	1
6	3	3	3	3	3	2	2	2	2	2	2	1	1	0	0	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	2	2	0	1	0	0	0	0
8	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	-	-	1	1	0
10	1	1	0	1	0	0	0	1	1	2	1	2	1	2	1	2	****	****	0	1	1	0	0	1	1
11	0	1	1	0	0	0	1	0	0	1	2	4	6	6	4	2	1	4	1	1	-	-	-	0	2
12	0	3	3	5	1	0	1	1	0	1	1	1	1	1	3	5	3	2	5	3	3	1	2	0	2
13	0	1	3	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	0	1
14	4	5	4	4	3	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	0	0	1	0	0	0	0	5	8	2	0	0	0	0	1	1	1	0	1	1	2	1
17	1	1	1	1	1	1	1	1	2	3	2	3	8	12	9	7	7	2	2	0	***	2	2	4	3
18	2	6	4	4	3	1	5	0	0	1	0	1	1	0	0	1	2	1	3	2	4	-	-	-	2
19	1	0	1	0	1	0	1	0	0	2	1	1	-	-	0	0	0	1	0	0	0	0	1	0	0
20	1	1	3	3	3	1	3	2	2	2	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1
21	1	3	2	5	3	6	8	11	12	5	1	1	0	0	0	1	1	1	0	0	0	1	0	0	3
22	1	0	1	1	1	1	2	3	2	0	0	0	0	0	1	1	3	4	4	5	5	4	4	4	2
23	3	2	3	3	3	3	3	4	3	3	2	2	4	3	2	1	1	2	***	3	3	2	4	3	3
24	4	2	3	3	2	2	3	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1
25	2	3	2	2	2	3	3	4	5	4	4	3	2	2	2	2	4	1	1	1	2	3	2	3	3
26	3	1	2	2	4	3	5	6	3	2	2	4	3	3	6	4	3	2	3	3	2	3	2	1	3
27	1	1	2	2	2	2	2	2	2	3	3	3	3	4	3	2	1	1	1	1	0	0	0	0	2
28	0	1	1	1	1	2	2	3	3	3	4	7	10	9	7	6	5	3	3	5	3	3	4	3	4
29	3	3	3	3	5	2	2	3	2	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	0	0	0	0	0	0	0
31	0	0	0	1	1	2	1	1	1	0	1	1	1	1	1	2	1	1	2	2	2	2	2	-	1
MEAN	1	1	2	2	2	1	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	1.4	4	10
FEB	25	1.1	3	9
MAR	31	0.8	2	10
APR	30	0.4	2	6
MAY	31	1.0	3	12
JUN	30	0.9	4	9
JUL	30	0.7	3	13
AUG	29	0.8	3	7
SEP	30	0.8	2	8
OCT	31	1.0	4	13
NOV	30	1.1	3	10
DEC	31	1.5	4	12
YEAR	356	1.0	4	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	663	19	0	0	0	0	0	0	682
FEB	589	11	0	0	0	0	0	0	600
MAR	733	3	0	0	0	0	0	0	736
APR	707	3	0	0	0	0	0	0	710
MAY	721	10	1	0	0	0	0	0	732
JUN	680	15	0	0	0	0	0	0	695
JUL	685	7	5	0	0	0	0	0	697
AUG	684	4	0	0	0	0	0	0	688
SEP	709	6	0	0	0	0	0	0	715
OCT	699	13	2	0	0	0	0	0	714
NOV	699	14	0	0	0	0	0	0	713
DEC	699	20	3	0	0	0	0	0	722
YEAR	8268	125	11	0	0	0	0	0	8404

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.7	0	0.0	0.0	0.0	0.7	2.3	3.3	4.7	5.9	13	1.0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR												MONTH - JAN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	4	3	2	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	
2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
3	1	0	0	0	1	0	0	0	0	1	0	3	4	2	1	1	1	1	1	1	2	1	1	1	
4	3	2	4	2	3	3	2	2	1	1	1	2	2	2	2	3	8	4	5	5	6	6	5	5	
5	5	5	6	5	0	3	3	4	3	4	4	5	5	4	3	1	1	1	1	2	2	2	2	3	
6	2	1	1	1	1	1	0	0	0	1	2	2	2	1	1	1	1	1	2	2	2	3	3	2	
7	1	1	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	
9	4	4	5	5	6	5	5	4	3	2	3	5	3	3	0	3	2	2	2	3	3	3	3	4	
10	3	3	2	2	2	2	1	2	2	2	3	5	7	7	8	8	8	7	6	4	4	3	3	3	
11	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	5	5	3	2	3	3	3	2	2	
12	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	5	5	3	2	3	3	3	2	2	
13																									
14																									
15																									
16	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3	2	2	4	5	5	
17																									
18																									
19	1	2	2	2	2	2	1	1	1	2	3	2	2	2	2	2	2	2	2	3	3	4	3	3	
20	4	3	3	2	2	2	2	2	3	3	3	3	3	3	4	2	2	2	2	1	1	1	1	1	
21	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	2	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1	2	4	3	2	2	4	3	2	2	2	3	3	1	2	1	2	2	3	2	1	1	0	0	
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	1	2	3	7	6	4	3	3	4	4	4	1	2	2	
26	3	2	2	1	1	1	1	1	3	5	4	3	5	5	8	3	1	1	1	1	1	0	0	0	
27	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	1	
28	1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
29	1	1	0	0	0	0	0	0	0	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	
30	0	1	1	2	2	1	1	1	1	1	1	1	1	2	1	2	2	1	1	0	1	1	1	1	
31	2	1	1	1	1	1	3	3	3	5	4	2	3	3	3	3	2	2	2	2	2	3	4	5	
MEAN	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 81.9

PERCENTAGE OF DATA INVALID - 18.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	2	2	1	4	8	7	5	5	6	5	3	3	3	3	4	3	2	2	3	2	1	2	4
2	2	3	3	4	2	2	3	3	3	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
3												-	-	-	-	-	-	-	-	-	-	-	-	-	
4												-	-	-	-	-	-	-	-	-	-	-	-	-	
5												-	-	-	-	-	-	-	-	-	-	-	-	-	
6												-	-	-	-	-	-	-	-	-	-	-	-	-	
7												-	-	-	-	-	-	-	-	-	-	-	-	-	
8												-	-	-	-	-	-	-	-	-	-	-	-	-	
9												-	-	-	-	-	-	-	-	-	-	-	-	-	
10												-	-	-	-	-	-	-	-	-	-	-	-	-	
11												-	-	-	-	-	-	-	-	-	-	-	-	-	
12												-	-	-	-	-	-	-	-	-	-	-	-	-	
13												-	-	-	-	-	-	-	-	-	-	-	-	-	
14												-	-	-	-	-	-	-	-	-	-	-	-	-	
15												-	-	-	-	-	-	-	-	-	-	-	-	-	
16												-	-	-	-	-	-	-	-	-	-	-	-	-	
17												-	-	-	-	-	-	-	-	-	-	-	-	-	
18												-	-	-	-	-	-	-	-	-	-	-	-	-	
19												-	-	-	-	-	-	-	-	-	-	-	-	-	
20												-	-	-	-	-	-	-	-	-	-	-	-	-	
21												-	-	-	-	-	-	-	-	-	-	-	-	-	
22												-	-	-	-	-	-	-	-	-	-	-	-	-	
23												-	-	-	-	-	-	-	-	-	-	-	-	-	
24												-	-	-	-	-	-	-	-	-	-	-	-	-	
25												-	-	-	-	-	-	-	-	-	-	-	-	-	
26	1	5	6	6	5	3	2	1	1	4	2	3	0	0	0	0	0	0	0	0	0	1	0	0	2
27	1	2	2	3	3	2	3	2	1	2	4	3	2	2	2	1	1	1	1	1	1	1	1	1	2
28	2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
29	1	1	0	2	4	5	4	5	5	3	2	2	2	1	1	2	2	1	1	1	1	0	0	1	2
MEAN	2	3	2	3	3	3	3	3	3	3	3	3	2	1	1	2	2	1	1	1	1	1	1	1	2.1

PERCENTAGE OF DATA VALID - 18.8

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 77.7

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12032		MORTON DOCK BEDFORD/OJIBWAY WINDSOR												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	2	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1
2	0	0	0	1	2	2	2	2	4	4	4	5	3	2	3	4	4	1	1	1	1	1	1	1	2
3	1	1	2	2	2	1	2	1	1	1	0	1	2	2	2	2	3	3	3	3	6	1	2	2	2
4	1	1	2	1	1	3	3	2	2	2	2	2	3	3	3	3	2	2	1	1	1	1	1	0	2
5	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	3	2	3	3	1	0	0	0	0	1
6	0	0	0	0	0	1	1	1	1	0	0	1	3	3	3	3	2	3	3	1	0	0	0	0	1
7	1	1	2	2	3	2	2	1	1	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1
8	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1
9	1	1	1	2	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	3	2	1
10	0	0	0	0	0	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	2	2	3	2	1
11	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	3	1	1	2
12	1	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
13	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	U	U	U	U	U	U	U	U
14	2	4	4	3	2	2	5	4	4	0	0	0	2	2	1	1	0	0	0	1	1	2	3	3	2
15	3	2	3	2	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	2	2	3	2	2	3	1
18	2	3	3	4	4	3	3	3	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	2	3	3	3	1	1	1	1	1	1	0	0	0	0	0	0	1
20	0	1	1	1	2	1	1	1	1	1	2	1	2	3	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	1	1	0	1	2	4	4	3	4	4	4	4	6	5	5	5	4	4	5	5	6	3
22	5	6	3	3	5	5	4	5	6	5	4	4	3	4	3	3	3	3	2	1	0	0	0	0	3
23	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	3	3	3	4	2	1	1	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	2	1	1	1	1	1	1
25	2	5	7	6	7	6	3	2	2	2	3	4	2	3	3	2	2	1	0	0	0	0	0	0	3
26	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	1
27	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	4	6	7	6	5	0	0	0	0	2
28	0	0	0	0	0	0	0	1	1	1	1	2	4	4	4	3	3	3	2	1	1	1	1	1	1
29	1	1	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0	1	1	1	1
30	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.1      PERCENTAGE OF DATA INVALID - 1.9      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    - - - INDICATES DATA IS UNAVAILABLE  
 3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12032		MORTON DOCK BEDFORD/OJIBWAY WINDSOR												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	3	1	1
3	1	1	2	1	0	0	0	0	1	1	2	2	1	1	1	0	0	0	0	0	2	1	1	1	1
4	0	1	1	1	1	1	1	1	1	1	1	2	3	3	3	4	3	4	4	4	2	3	3	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	1	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	0	0	0	0	0	0	0	1	1	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	0
18	0	1	1	0	0	1	0	1	1	3	4	5	4	2	2	2	2	1	1	1	1	1	0	0	1
19	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0
20	1	1	2	1	1	1	1	2	3	2	1	0	0	0	0	1	1	2	2	1	1	1	1	1	1
21	1	0	1	1	1	1	1	2	1	0	0	1	0	1	1	0	0	0	0	1	1	-	-	1	1
22	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
23	1	1	1	2	3	2	1	1	3	4	2	1	-	1	-	1	-	1	-	2	5	0	3	1	0
24	1	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	1	2	1	1	1	2	4	3	2	2	1	1	3	2	1	0	0	0	1	1	1	2	2	2	2
26	2	2	1	1	1	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	2	1	1	1	1
27	0	.....	2	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
29	1	1	0	0	0	0	0	0	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1
30	3	2	2	2	1	1	1	2	2	1	1	0	1	1	1	3	2	2	2	-	1	0	0	0	0
MEAN	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 74.6      PERCENTAGE OF DATA INVALID - 24.2      PERCENTAGE OF DATA UNAVAILABLE - 1.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    - - - INDICATES DATA IS UNAVAILABLE  
 3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032

MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	1	0	0	0	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1
2	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	2	1	1	1	1	2	2	1	1	1
3	1	1	1	2	1	2	2	3	4	4	4	4	4	1	1	1	1	2	2	2	2	1	1	1	2
4	1	1	1	1	0	0	1	1	3	3	2	2	2	2	3	3	4	2	3	2	3	2	2	2	2
5	2	1	1	1	2	3	1	3	2	3	2	2	1	1	2	2	2	1	1	1	2	2	2	2	2
6	1	1	2	1	1	1	1	1	1	1	2	4	2	1	1	1	1	1	1	1	1	1	2	3	1
7	3	4	2	2	1	1	2	3	3	4	2	2	2	2	2	2	2	2	2	2	3	4	2	1	2
8	1	1	3	3	1	2	4	4	2	3	3	1	2	1	2	3	2	2	2	2	1	2	3	3	2
9	1	3	4	2	2	3	7	6	4	2	1	1	1	1	1	1	0	0	2	2	3	1	1	1	2
10	0	0	0	0	0	0	0	1	1	2	2	2	2	1	2	2	1	1	0	1	1	1	0	0	1
11	0	0	0	0	0	1	1	0	0	1	1	1	0	1	1	2	1	1	1	0	1	1	2	5	1
12	2	2	1	1	1	1	1	1	3	5	3	3	1	1	3	1	2	2	2	1	1	1	2	1	2
13	1	1	1	1	0	0	0	1	1	2	3	2	3	2	2	2	1	2	2	2	1	1	1	3	1
14	4	4	3	3	3	2	2	2	3	2	2	2	2	2	1	2	2	3	2	2	2	1	1	1	2
15	0	0	0	0	0	0	1	3	2	2	1	3	3	1	0	1	0	0	1	0	0	1	1	0	1
16	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	2	1	1	0
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	3	1	1	1
19	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	2	2	2	3	3	3	4	1	2	2
20	1	1	1	1	1	1	1	1	0	1	2	2	1	1	1	1	1	1	2	6	2	1	1	1	1
21	3	2	2	2	2	3	4	5	5	3	2	1	1	1	1	1	1	1	1	1	1	0	1	2	2
22	1	1	1	1	1	1	1	2	4	4	3	4	1	1	1	2	1	1	1	1	1	1	1	1	2
23	2	2	1	1	1	1	1	2	2	2	2	2	4	4	3	2	2	2	2	1	1	1	1	1	2
24	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	3	3	3	2	1	1	1	2
25	1	1	1	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	0	1	0	1	2	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	1	1	1	1	1	2	3	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1
31	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1	1	2	1	2	1	1	1	1.5

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032

MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
3	1	1	1	1	1	1	1	3	2	2	1	1	2	2	1	2	2	2	3	1	2	4	3	2	2
4	2	2	1	1	2	2	2	1	2	2	1	2	2	1	1	1	1	1	1	3	4	5	9	6	2
5	3	2	1	1	1	2	2	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	2	1	1	1	2	1	1	2	1	2	2	2	2	1	2	4	2	2	2	1	2
8	3	3	3	3	4	3	4	4	4	3	3	3	3	3	3	3	3	2	3	2	1	2	2	3	2
9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	3	4	1	1	1	2	2	1	3	2	3	1	2	2	2	2	2	2	2	3	3	6	4	4	2
11	5	7	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	1	1	0	1	0	1	1	0	2	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0
21	1	1	1	0	1	0	0	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	3	1	1	0	0	1	1	1	1	1	1	1	1	1
24	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	2	3	2	2	1	1	2	2	1	1	1	1	1	1	1
26	0	0	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	2	2	1
27	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	2	1	2	1	0	0	0	0	1	2	0	1	2	1	1	0	1	1	2	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	1	0	3	3	3	2	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1.0

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12032		MORTON DOCK BEDFORD/OJIBWAY WINDSOR												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	3	1	4	1	1	0	0	0	2	2	1	1	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	9	8	6	10	2
3	7	3	0	0	0	0	0	1	1	1	0	0	2	4	2	2	6	2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	0	1	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	1	1	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	4	3	0	1	0	0	1
8	0	1	1	1	1	0	1	2	3	2	1	2	1	2	1	1	1	1	1	0	0	1	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	1
10	0	0	0	0	0	0	0	0	1	3	2	3	2	2	1	1	2	1	1	1	1	1	1	0	1
11	0	0	0	0	0	2	2	1	1	1	1	1	2	2	2	2	2	3	2	3	7	2	1	3	2
12	3	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	0	0	1	3	4	3	2	1	1	1	1	1	1	1	1	1
15	1	0	0	0	1	1	2	2	1	2	1	2	2	2	2	2	2	2	2	2	3	3	4	2	2
16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	3	3	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	1	1	0	1	2	3	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	1	1	0	0	0	1	1	0	0
21	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	0	2	0	0	0	1	1	1	0	0
23	0	0	0	0	0	3	3	3	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	8	4	2	2	2	1	0	0	1	1	1	1	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	1	1	1	0	1	1	1	2	4	2	4	6	4	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	0	1	3	1	5	5	6	4	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
30	0	0	0	0	0	1	1	1	1	2	2	3	3	3	1	1	1	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0
MEAN	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. --- INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12032		MORTON DOCK BEDFORD/OJIBWAY WINDSOR												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	3	3	1	1	1	2
2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	1
3	5	4	2	2	2	1	1	2	2	2	2	6	4	3	2	2	2	1	1	0	0	1	0	0	2
4	0	0	0	0	0	0	2	2	1	1	3	1	1	1	0	1	2	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	6	7	5	3	2	1
6	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
7	1	1	1	0	0	1	1	1	0	0	1	3	4	2	1	1	0	0	0	0	0	1	1	2	1
8	3	2	2	1	0	0	0	1	1	1	1	3	2	1	1	2	1	2	1	2	1	2	2	2	1
9	2	3	19	24	16	10	8	6	5	4	2	3	3	4	6	4	2	2	2	2	1	0	0	0	5
10	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
11	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	3	10	11	10	0
12	10	9	6	4	3	3	3	3	8	9	10	5	4	5	7	6	6	5	9	9	14	20	16	9	8
13	9	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1
19	1	2	3	2	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	1	0	1	1	3	3	2	2	4	3	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	1	2	3	4	6	5	4	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2
30	1	1	1	2	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
31	2	2	2	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
MEAN	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 90.6

PERCENTAGE OF DATA INVALID - 9.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. --- INDICATES DATA IS UNAVAILABLE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR															MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	2	0	0	0	0	0	0	0	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1
2	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	3	3	3	2	3	1
3	3	2	1	1	2	1	1	2	1	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	0	0	0	0	0	1	0	1	1	1	1	2	3	1	1	1	1	0	0	0	1	1
5	1	0	1	2	1	2	4	4	3	5	2	0	1	2	1	3	0	0	1	1	0	0	0	0	1
6	0	1	1	1	1	1	1	3	2	2	2	2	2	1	2	2	2	2	0	0	1	1	0	0	1
7	0	0	0	0	0	0	0	1	4	2	1	1	1	1	1	1	4	2	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	2	5	7	5	2	1	1
10	0	0	0	0	0	0	0	3	5	3	6	1	0	2	0	3	0	0	0	1	1	2	1	1	1
11	1	1	0	1	1	2	2	4	4	3	1	1	1	1	1	1	1	1	1	0	1	2	0	0	1
12	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	0	0	2	1	1	2	2	1	1	0	0	0	0	0	0	1	1	1
15	0	0	1	1	0	0	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	2	2	1	2	3	2	1	1	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	1	1	3	4	4	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	6	2	2	2	3	2	2	1	1	1	3	3	2	1	1	1	1	1	2	2
20	2	2	3	4	6	5	4	3	2	2	3	2	2	2	2	1	1	1	1	1	1	2	2	2	2
21	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	2	1	1	1	1	2	3	3	3	2
22	3	2	2	1	1	1	1	1	2	2	2	2	3	1	1	0	0	0	0	0	0	0	0	2	1
23	3	3	0	2	5	2	2	8	2	1	1	1	1	3	1	0	0	0	0	1	2	3	2	2	2
24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	3	2	1	1	3	3	0	0	1	1
26	2	3	3	5	3	2	3	2	3	2	2	2	2	1	1	1	2	1	1	1	1	2	3	1	2
27	1	1	1	0	0	0	0	0	1	1	1	4	3	4	0	0	0	0	2	2	4	4	3	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	6	3	1	0	1
29	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	4	2	2	1	0	0	4	1	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR															MONTH - OCT 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	2
2	3	2	1	1	1	1	0	1	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
3	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
4	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1
5	1	4	1	1	2	1	1	1	1	1	1	1	1	2	1	1	0	1	0	1	1	0	0	1	0
6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
7	0	1	0	0	0	0	0	0	1	2	3	4	2	1	0	1	1	1	0	0	0	0	0	1	0
8	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	2	3	6	7	6	2	1	0	2
9	0	0	0	0	0	0	0	1	1	0	0	0	5	7	5	4	5	9	12	10	4	2	1	3	3
10	0	0	0	0	0	0	0	0	1	1	1	3	3	3	2	3	1	1	0	0	1	3	2	1	1
11	1	1	1	1	3	3	3	3	1	1	0	1	1	1	2	1	2	2	1	2	1	2	2	1	2
12	2	2	3	3	2	2	3	2	2	2	3	4	2	2	2	2	3	2	2	2	2	1	1	5	2
13	2	10	2	2	2	2	2	1	9	4	4	3	2	3	4	0	2	2	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1
16	1	1	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	2	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1
21	0	0	1	1	1	0	0	0	1	2	2	2	4	2	2	2	2	2	4	5	6	4	1	1	2
22	1	1	1	0	0	0	0	0	1	2	2	3	5	4	2	2	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	3	2	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	2	3	4	5	1
26	6	4	4	4	4	4	3	2	1	2	2	2	2	3	2	1	1	1	1	1	1	0	0	0	2
27	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	1
28	0	0	0	0	1	1	2	0	1	1	0	1	4	3	2	2	5	2	0	0	0	1	2	1	1
29	0	0	1	1	1	1	1	1	4	5	3	4	1	1	7	2	3	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	1	1	0
31	1	1	0	0	0	0	1	4	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																		
STATION - SW NO 12032					MORTON DOCK					BEDFORD/OJIBWAY					WINDSOR					MONTH - NOV 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	1	3	2	1	0	0	0	3	5	4	3	3	2	3	2	3	1	1	2	2	2	1	2	2				
2	2	1	1	1	1	1	1	2	2	1	1	2	2	2	3	2	1	3	6	1	0	0	0	0	2				
3	0	0	0	-	-	1	0	1	1	1	2	2	1	2	2	2	2	1	1	2	2	0	0	0	1				
4	0	0	0	1	1	0	0	0	2	1	1	0	1	0	1	0	0	-	0	0	0	0	0	0	0				
5	0	1	1	7	1	1	2	2	3	4	3	3	3	4	3	1	2	1	1	1	1	0	0	0	2				
6	1	2	0	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1				
7	1	1	1	1	1	1	1	0	2	2	2	1	-	1	1	1	0	1	1	0	0	0	1	1	1				
8	0	0	0	0	0	0	0	0	0	0	0	2	1	2	6	5	1	0	0	0	0	0	0	0	1				
9	0	0	0	0	0	1	2	1	3	2	3	4	3	4	2	1	1	1	0	1	1	1	1	2	1				
10	2	2	3	3	4	5	4	4	3	4	4	4	-	3	-	3	2	2	3	4	3	3	3	3	3				
11	3	4	2	2	3	3	3	4	4	3	2	2	3	2	2	2	1	1	1	1	1	0	0	0	2				
12	1	2	2	2	2	1	2	1	3	4	6	0	-	3	1	1	2	1	1	2	1	0	0	0	2				
13	1	1	1	1	2	4	3	4	8	4	4	2	2	2	1	2	1	1	0	0	1	1	1	3	2				
14	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
16	0	1	1	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0				
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
18	0	0	2	4	2	1	2	1	1	2	2	1	2	2	2	1	2	2	1	1	0	0	0	0	1				
19	0	0	0	3	0	0	0	0	0	1	2	1	1	1	0	1	0	0	0	0	0	0	2	0	1				
20	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	1	1	2	2	3	3	1				
21	3	2	3	3	3	2	1	1	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0				
22	- DATA INVALID -												- DATA INVALID -																
23	- DATA INVALID -												- DATA INVALID -																
24	- DATA INVALID -												- DATA INVALID -																
25	- DATA INVALID -												- DATA INVALID -																
26	.....												.....																
27	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
28	1	1	1	1	1	1	2	1	2	2	2	1	1	2	1	1	1	1	1	1	1	0	0	0	1				
29	1	2	2	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	0	0	0	1	0	0	1				
30	0	2	2	1	1	1	0	0	0	1	2	5	1	0	0	0	0	1	1	1	1	0	0	0	1				
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1.1				

PERCENTAGE OF DATA VALID - 82.5 PERCENTAGE OF DATA INVALID - 16.5 PERCENTAGE OF DATA UNAVAILABLE - 1.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12032						MORTON DOCK BEDFORD/OJIBWAY						WINDSOR		MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	0	0	0	0	1	2	----	3	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4	3	3	3	4	2	2	1
3	2	2	4	3	4	3	1	1	1	2	3	2	4	4	3	0	0	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	1	4	1	----	5	4	1	0	1	0	2	0	0	0	0	0
5	1	1	2	2	2	2	1	1	2	1	2	3	3	3	2	3	2	2	2	2	1	2	3	3	2
6	3	4	4	3	3	3	3	3	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	4	3	1	2	0	1
9	1	2	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	-	-	1	1	0
10	2	2	1	2	2	1	1	1	1	1	0	0	0	0	0	0	----	----	1	2	1	2	3	2	1
11	0	1	0	2	0	1	0	1	2	4	3	1	0	0	0	0	0	0	0	0	-	-	-	1	0
12	1	1	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	3	2	1	3	1	1	2	2	2	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	3	2	3	2	3	2	3	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	2	2	0	0	1	1
16	2	2	2	1	0	1	1	0	1	1	5	6	2	0	1	0	0	0	0	1	1	1	1	0	1
17	0	0	0	0	0	0	0	0	0	1	1	3	8	9	9	9	7	2	2	0	0	0	0	0	0
18	0	0	1	1	1	2	1	1	2	1	----	0	0	1	2	0	0	0	0	0	0	-	-	-	1
19	1	2	1	1	1	1	1	2	4	3	4	4	-	4	2	2	2	1	0	1	1	2	3	4	2
20	2	4	3	1	0	1	1	0	1	4	4	3	2	2	1	0	0	0	0	2	3	3	3	1	0
21	1	0	0	0	0	0	0	0	0	1	5	2	1	2	1	0	0	0	0	0	2	1	0	2	1
22	1	0	0	0	0	0	4	2	3	2	1	1	1	2	2	2	2	3	4	4	4	3	3	2	0
23	2	1	2	2	3	3	3	4	3	3	3	3	3	3	2	2	1	1	----	0	0	1	0	0	2
24	1	2	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	4	6	5	3	2	5	3	2
25	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	1	0	0	1	1	1	0
26	1	1	2	2	3	3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0
27	2	2	1	1	1	1	1	1	0	1	2	3	4	4	4	3	2	2	1	1	0	0	0	0	0
28	0	0	0	0	0	1	1	1	1	1	1	2	6	9	8	7	6	5	4	4	5	3	3	3	3
29	2	2	2	3	6	3	3	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
30	0	0	0	1	1	1	1	1	2	1	2	2	2	2	3	4	4	1	0	0	0	0	0	0	0
31	----	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	-	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 2.2 PERCENTAGE OF DATA UNAVAILABLE - 1.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	1.8	4	8
FEB	5	2.1	4	8
MAR	30	1.2	3	7
APR	22	0.9	2	5
MAY	31	1.5	2	7
JUN	30	1.0	3	9
JUL	29	0.8	2	10
AUG	28	1.5	8	24
SEP	30	0.9	2	8
OCT	31	1.1	3	12
NOV	24	1.1	3	8
DEC	31	1.3	3	9
YEAR	315	1.2	8	24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	593	16	0	0	0	0	0	0	0	0	0	609
FEB	126	5	0	0	0	0	0	0	0	0	0	131
MAR	718	12	0	0	0	0	0	0	0	0	0	730
APR	537	0	0	0	0	0	0	0	0	0	0	537
MAY	725	5	0	0	0	0	0	0	0	0	0	730
JUN	686	5	0	0	0	0	0	0	0	0	0	691
JUL	694	12	0	0	0	0	0	0	0	0	0	706
AUG	641	26	2	4	1	0	0	0	0	0	0	674
SEP	707	7	0	0	0	0	0	0	0	0	0	714
OCT	727	11	1	0	0	0	0	0	0	0	0	739
NOV	589	5	0	0	0	0	0	0	0	0	0	594
DEC	703	13	0	0	0	0	0	0	0	0	0	716
YEAR	7446	117	3	4	1	0	0	0	0	0	0	7571

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.2	0	0.0	0.0	0.4	1.0	2.4	3.4	4.7	5.9	24	1.2



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - SW NO 14004											HYDRO SS CONCESSION 14/15					COURTRIGHT					MONTH - JAN 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	5	5	4	3	6	3	2	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	3	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	0	1	1	3	2	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
STATION - SW NO 14004												HYDRO SS CONCESSION 14/15				COURTRIGHT				MONTH - FEB 80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
3	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	2	2	1	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
4	1	1	1	1	1	2	2	1	2	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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8													1												2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 87.4

PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14004												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	3	1	1	0	0	0	0	0	0	0
3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	2	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	1	1	1	4	3	1	1	1	1	1	1	1	1	1	1
8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0
10	1	1	1	1	1	1	0	0	1	1	1	2	2	2	2	2	1	1	0	0	0	0	0	0	1
11	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	3	4	4	3	3	2	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	2	4	4	4	1	3	3	1	1	1
22	3	2	1	2	1	0	0	0	0	0	0	0	1	2	4	2	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	3	4	1	1	1	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1	1	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14004												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	3	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
10	1	0	0	1	1	1	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1
11	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	3	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	1	1	3	4	13	7	5	11	5	1	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	1	3	2	1	1	1	1	0	0	0	0	0	0	0	1	1	1
20	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0
21	0	0	0	0	0	0	0	0	0	2	3	6	20	15	3	2	1	1	0	0	0	0	0	0	2
22	0	0	0	0	0	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	0	0	1	0	0	1	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	2	4	4	3	4	2	2	1	3	3	2	1	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	4	2	4	4	5	2	3	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	2	1	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14004		HYDRO SS CONCESSION 14/15												COURTRIGHT										MONTH - MAY 80	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	12	18	7	5	4	2	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	1	2	5	19	4	2	2	1	1	1	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	1	3	3	4	6	4	1	4	3	1	3	5	3	1	0	2
4	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	3	1	1	1	1	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	2	4	4	1	10	11	2	3	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	2	3	2	2	2	2	0	1	6	3	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	7	5	2	1	1	5	18	9	3	9	3	1	1	1	0	3
22	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
24	0	0	0	0	0	1	1	1	2	2	1	1	1	1	6	9	2	2	2	5	1	2	1	1	2
25	2	1	1	3	3	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	1
26	0	0	0	0	0	0	0	0	2	2	2	2	2	1	1	1	1	2	5	3	0	0	0	0	1
27	0	0	0	0	0	0	0	0	1	5	5	11	12	5	3	2	14	5	5	1	1	1	1	1	3
28	0	0	0	0	0	0	0	0	1	8	7	2	1	2	0	3	7	1	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	2	1	2	2	2	1	1	1	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14004		HYDRO SS CONCESSION 14/15												COURTRIGHT										MONTH - JUN 80	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	0	0	0
4	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	1	2	2	1	0	0	0	0	1	4	4	4	6	4	2	1	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	4	2	4	2	1	1	1	1	1	1	1	1	1	1	2	1	1
14	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	12	8	2	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	1	1	1	1	1	7	1	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	2	1	2	2	2	1	1	1	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	2	4	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1	0	1
27	2	1	1	2	1	1	1	1	1	2	1	1	4	2	2	1	2	1	1	1	1	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	1	1	1	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	1	1	0	1	1	1	1	1	1	1	0	1	4	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDIC



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14004 HYDRO SS CONCESSION 14/15												COURTRIGHT MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	1	1	20	12	23	18	4	0	0	0	0	0	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	3	3	21	8	6	6	5	4	1	1	0	0	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	3	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	- DATA INVALID -																								
12	- DATA INVALID -																								
13	- DATA INVALID -																								
14	- DATA INVALID -																								
15	- DATA INVALID -																								
16	- DATA INVALID -																								
17	0	0	0	0	0	0	0	0	0	3	5	1	0	1	***	5	3	2	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1
20	1	1	1	0	1	1	1	1	1	8	12	3	5	2	1	1	1	1	1	1	1	1	1	1	2
21	1	1	1	0	0	0	1	1	1	1	1	0	1	1	7	2	1	1	0	1	1	1	1	1	1
22	1	1	1	1	1	1	1	0	1	0	1	1	1	2	3	1	1	1	0	0	1	1	1	1	1
23	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
24	0	0	0	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	3	2	1	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	1	***	***	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	2	1	2	2	1	1	1	1	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 78.6

PERCENTAGE OF DATA INVALID - 21.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT														MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	3	4	3	5	4	2	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	0	0	0	13	1	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	2	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	2	3	5	2	1	1	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	2	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14004		HYDRO SS CONCESSION 14/15												COURTRIGHT										MONTH - SEP 80	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	1	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	0	0	2	0	0	0	1	1	1
11	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	0	0	0	0	0	0	0	2	2	15	5	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
26	0	0	0	0	2	0	0	2	2	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.2      PERCENTAGE OF DATA INVALID - 0.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14004		HYDRO SS CONCESSION 14/15												COURTRIGHT										MONTH - OCT 80	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	0	0	0	0	0	2	2	2	5	3	3	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	2	2	2	1	1	2	1	2	1	1	1	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	5	0	0	0	0	0	0	0	0	0	0	1	1
22	0	0	0	0	0	0	0	0	0	0	5	4	5	3	2	2	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0
31	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.7      PERCENTAGE OF DATA INVALID - 0.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14004													HYDRO SS CONCESSION 14/15 COURTRIGHT												
MONTH - NOV 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	9	22	10	1	0	1	0	0	0	0	0	0	0	2
3	0	0	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	0	1	1	0	1	1	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	2	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	1	2	2	1	1	---	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13	0	0	0	0	0	1	1	0	1	1	2	2	2	2	---	2	1	1	1	1	2	1	1	1	1
14	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	1	1	2	2	4	12	9	9	4	1	1	1	1	1	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	2	2	1
21	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1
23	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION																																
STATION - SW NO 14004														HYDRO SS CONCESSION 14/15											COURTRIGHT											MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																					
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																					
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	10	7	10	16	12	10	7	4																				
3	8	11	13	9	6	1	1	1	2	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	2																				
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	1	1	0	0																				
5	0	0	1	1	1	1	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0																				
6	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																				
7	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1																				
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1																				
9	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1																				
10	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	3	1	1	2	0	0	1																				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0																				
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0																				
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
18	1	1	1	1	1	1	1	1	0	0	0	0	0	1	4	1	1	1	1	0	1	1	1	2	1	1																				
19	0	1	0	1	0	0	0	2	2	3	1	2	2	3	2	0	0	0	0	0	0	0	0	0	0	1																				
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
22	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	2	2	1																				
23	2	1	1	1	1	1	1	2	2	2	2	3	4	2	1	1	1	2	2	2	2	2	2	2	2	2																				
24	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
26	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1																				
27	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1																				
28	0	0	0	0	0	0	0	0	0	0	3	6	8	8	7	5	5	4	4	4	3	3	2	2	2	3																				
29	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																				
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																				
MEAN	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7																				



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.1	2	7
FEB	24	0.4	2	5
MAR	31	0.4	1	4
APR	30	0.5	2	20
MAY	31	0.7	3	19
JUN	30	0.4	1	12
JUL	24	0.6	3	23
AUG	31	0.2	1	13
SEP	30	0.3	1	15
OCT	31	0.2	1	5
NOV	29	0.4	2	22
DEC	29	0.7	4	16
YEAR	351	0.4	4	23

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	737	2	0	0	0	0	0	0	739
FEB	608	0	0	0	0	0	0	0	608
MAR	739	0	0	0	0	0	0	0	739
APR	710	3	3	1	0	0	0	0	717
MAY	722	13	5	3	0	0	0	0	743
JUN	713	3	1	0	0	0	0	0	717
JUL	573	6	2	2	2	0	0	0	585
AUG	738	0	1	0	0	0	0	0	739
SEP	708	5	1	0	0	0	0	0	714
OCT	742	0	0	0	0	0	0	0	742
NOV	690	4	1	0	1	0	0	0	696
DEC	691	12	4	1	0	0	0	0	708
YEAR	8371	48	18	7	3	0	0	0	8447

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.2	0	0.0	0.0	0.0	0.0	0.8	1.4	3.0	4.8	23	0.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14016		OPPOSITE LAMBTON GS HWY40 COURTRIGHT												MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	7	4	2	2	5	10	9	6	5	4	2	3	2	1	0	0	0	0	0	0	0	0	0	3
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
7	1	1	1	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
8	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
10	1	0	0	1	1	1	1	2	2	2	1	1	1	3	4	3	3	3	3	3	2	2	1	1	2
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
12	2	2	2	2	3	3	3	3	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	2	1
17	2	1	0	1	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
22	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	1	1	1	1	0	0	1	1	1	2	0	0	0	1	1	1	1	1	1	1	1
24	1	1	0	0	0	0	0	1	1	1	0	0	3	1	0	1	0	1	0	0	1	1	1	1	1
25	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	0	0	0	1	1	0	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	2	0	3	2	1	2	2	1	1	1
MEAN	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0.6

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14016		OPPOSITE LAMBTON GS HWY40 COURTRIGHT												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	0	0	0	1	1	1	0	0	1	1
2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
3	1	1	1	1	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
4	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	2	1	1	1	1	2	4	3	2	2	3	3	3	2	2	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	2	2	2	5	5	4	4	4	4	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	6	7	8	7	5	7	6	4	4	4
14	4	4	4	4	4	4	4	3	3	2	2	2	1	1	1	2	1	1	1	1	1	2	2	1	2
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	2	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	4	3	4	5	5	4	3
19	4	3	3	3	3	2	3	2	2	3	4	4	3	3	3	3	2	2	2	2	2	1	1	1	3
20	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	0	0	0	1	2	1	2	2	1	1	1	0	0	0	1	2	2	2	3	1
26	3	2	2	2	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1
27	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0
28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	2	2	2	2	3	2	1	1
29	3	4	4	4	4	4	4	4	3	3	3	2	2	2	1	2	3	3	3	4	4	4	3	3	3
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 90.4

PERCENTAGE OF DATA INVALID - 9.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 14016						OPPOSITE LAMBTON GS HWY40 COURTRIGHT										MONTH - MAR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	3	2	2	2	2	1	3	3	3	3	3	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	3	3	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2
4	2	3	3	2	2	3	3	3	3	3	2	3	2	3	2	2	3	3	2	2	2	2	2	2	2
5	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	2	1	1
6	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	1	0	1	0	1	1	1	1	1	2	2	1	0	0	0	0	1	2	2	1	1
11	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	3	2	1	5	9	5	6	3	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	2	2	1	1	0	0	0	0	0	0	1	1	0	0	0	0
20	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	6	4	1	1	5	5	4	2	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2	1	2	2	1	1	1	0	0	1
28	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	2	1	1	0	0	0	1
29	0	0	0	0	1	2	2	2	2	4	3	1	1	0	0	0	1	0	0	6	3	2	1	3	2
30	5	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MEAN	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 14016		OPPOSITE LAMBTON GS HWY40 COURTRIGHT												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	0	0	0	0	0	1	1	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	2	2	4	2	2	4	3	6	1	0	6	11	12	2
3	5	2	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	3	2
4	1	1	1	2	1	1	1	1	1	1	0	1	0	0	1	1	1	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	0	1	0	0	0	0	0	0	0
7	0	1	1	1	1	1	1	1	1	1	2	1	0	2	1	1	1	0	0	1	1	1	0	1	1
8	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	-	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
15	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
16	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1	2	2	4	3	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0
18	0	0	1	1	0	0	0	1	1	2	7	7	4	3	5	5	3	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	0	1	1	3	1	1	0	0	0	0	0	0	0	1	0	1	1	1	0
20	3	1	0	0	0	0	0	0	0	2	8	7	6	4	9	4	6	9	8	2	1	0	0	0	0
21	0	0	0	0	0	0	1	2	4	6	15	3	3	4	1	0	0	0	0	0	0	-	0	0	1
22	1	0	0	1	0	1	2	1	1	2	1	3	2	2	0	0	1	0	1	0	1	1	-	0	1
23	0	0	0	0	0	1	2	1	0	0	1	2	2	4	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	8	3	4	1	3	2	0	0	0
25	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	4	4	2	1	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	2	4	3	1	0	0	0	2	2
27	1	1	1	3	2	4	5	6	7	7	12	12	8	10	8	2	2	4	0	0	0	1	0	0	0
28	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	0	2	1	3	3	2	3	3	3	3	3	1	1
30	0	0	0	0	0	0	0	0	0	2	8	6	3	3	4	1	1	1	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	1	1	2	2	1	2	2	1	1	1	1	0	0	1	1	1	0.9

PERCENT



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14016 OPPOSITE LAMBTON GS HWY40 COURTRIGHT														MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	5	5	4	3	4	8	4	3	5	4	----	-	4	----	1	0	2	2	1	1	3
2	2	3	3	1	1	0	0	1	4	6	3	2	1	1	1	1	1	2	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	6	11	11	10	10	10	8	9	10	5	5	2	3	1	4
4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	5	3	3	1	1	0	0	1
5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
6	1	0	0	0	0	0	0	1	3	4	7	4	7	5	3	0	1	0	0	0	0	0	0	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	1	0
12	1	1	0	0	0	0	0	0	0	1	0	0	0	0	4	1	1	2	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	0	0	0	1	0	0	0	0	1
14	0	0	0	1	0	0	0	0	0	0	0	1	4	7	5	2	1	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	2	0	0	0	3	3	2	1	2	2	4	4	2	1	1	2	1
20	8	3	6	7	6	8	11	10	9	3	3	2	2	7	15	16	18	12	13	6	4	4	2	2	7
21	1	1	1	0	0	0	0	1	8	16	10	11	10	9	5	3	2	2	6	7	3	2	1	0	4
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	2	1	0	0	0	0
24	0	0	0	1	1	0	1	2	2	1	4	5	13	12	24	8	6	8	6	1	3	1	1	2	4
25	1	0	0	2	5	7	3	4	6	4	2	2	1	1	0	0	0	0	0	3	4	2	1	0	2
26	0	1	2	2	1	0	1	1	2	12	2	0	0	1	2	0	0	2	5	5	1	0	0	0	2
27	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	2	2	2	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	2	3	4	3	1	0	1	5	5	2	2	3	4	1	0	0	2
29	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1
30	0	0	0	1	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	1	1	1	0	0	1.2

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14016 OPPOSITE LAMBTON GS HWY40 COURTRIGHT													MONTH - JUN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
3	0	0	0	0	0	0	0	1	4	1	0	0	0	0	1	3	3	4	1	6	2	1	0	0	1
4	0	0	0	0	0	0	0	2	0	1	3	1	0	0	0	1	2	0	0	0	0	1	0	0	0
5	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	10	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	5	15	4	2
8	DATA INVALID																								
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	2	0	0	0	2	1	1	1	1	1	0	0	0	0	0	0	0
14	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	8	4	1	1	0	0	0	0	0	0	1	1	0	0	0	0
16	0	0	0	0	0	0	0	0	3	5	8	-----	5	4	3	-----	5	4	3	3	1	0	0	0	0
17	0	0	0	0	0	2	3	3	2	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	1	1	1	1	0	0	14	12	10	15	14	5	0	0	0	1	2
19	3	2	1	1	1	1	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	2	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	1	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	2	2	-----	1	1	2	1	0	0	0	0	0	0	1	0	1
26	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	2	0	0
27	0	1	2	0	0	0	0	0	0	1	0	2	4	1	0	1	1	6	10	6	1	1	3	0	2
28	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0.6

PERCENTAGE OF DATA VALID - 87.1

PERCENTAGE OF DATA INVALID - 11.7

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14016		OPPOSITE LAMBTON GS HWY40 COURTRIGHT												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
2	0	1	3	2	1	6	3	5	2	2	3	5	2	13	9	7	2	10	8	3	1	0	0	0	4
3	1	0	0	0	0	0	0	1	1	2	5	5	1	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	2	5	3	3	0	0	0	0	1	7	3	5	2	3	2	1	2	1	2	0	0	0	0	0	2
7	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	4	5	4	4	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	5	7	4	0	0	0	0	1	1	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	1	1	1	4	1	1	1	0	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
16	0	0	0	0	0	0	0	2	1	1	1	3	4	3	1	1	1	3	6	2	0	0	1	0	1
17	0	0	0	0	0	0	0	0	0	0	1	0	1	6	4	2	2	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	1	5	1	0	2	8	3	1	0	1	1	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	0	3	6	4	2	1	1	1	1	0	1	0	0	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	1	0	0	0	0	0	0	0	0	0	0	2	2	0	1	0	3	1	0	0	0	0	0	0
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	2	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	-	-	0	0
29	0	0	0	0	0	0	0	0	1	2	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14016		OPPOSITE LAMBTON GS HWY40 COURTRIGHT												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	3	1	3	1	0	0	0	0	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	3	4	5	2	2	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	2	2	2	2	3	2	0	0	1
16	0	0	0	0	0	0	0	1	0	0	0	2	2	2	2	3	3	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
19	0	0	0	0	0	0	0	0	1	0	2	12	2	0	2	1	0	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	2	1	2	6	10	5	2	1	0	0	0	0	0	0	1
21	0	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
22	0	0	0	0	0	1	0	0	0	0	1	1	1	1	3	3	3	3	1	2	2	1	0	0	1
23	0	0	0	0	0	0	0	0	3	4	4	2	2	4	6	6	2	1	9	4	3	1	0	0	2
24	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0
28	1	0	0	0	0	0	0	0	0	0	2	2	2	1	0	0	0	0	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016

OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016

OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	2	2	2	1	2	1	1	1	1	1	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	2	5	2	3	0	1	0	1	1	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 14016										OPPOSITE LAMBTON GS HWY40					COURTRIGHT					MONTH - NOV 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	-	-	-	-	0	-	0	2	2	2	1	1	1	-	0	C	1	1	1	3	1	1	1	1
7	0	1	0	0	0	0	1	1	1	1	1	2	2	1	1	0	0	C	0	0	0	0	0	0	0
8	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	6	2	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
11	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0
13	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0
14	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1	1	1	1	2	2	2	3	3	3	1	3	2	1	1	0	2	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	2	2	1	1	1	2	2	1	1	1	1	1	2	2	2	1
21	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	2	0	0	0	1	1	1	1
23	1	0	1	1	2	1	0	0	0	1	2	2	1	1	1	1	0	0	1	1	1	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14016		OPPOSITE LAMBTON GS HWY40 COURTRIGHT												MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	2	*****	2	2	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	3	3	3	1	1
23	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2	1	2	*****	1	1	1	1	1	2
24	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	2	1	1	3	1	1	1	1	1	1	1	0	0	1
28	1	2	1	1	1	1	1	1	2	5	10	9	8	8	8	6	6	5	4	5	4	4	4	3	4
29	4	5	5	4	3	3	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	2
30	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0.5

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016 OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	3	13
FEB	26	1.1	4	8
MAR	31	0.6	2	9
APR	30	0.9	4	15
MAY	31	1.2	7	24
JUN	27	0.6	3	15
JUL	30	0.6	4	13
AUG	30	0.3	2	12
SEP	29	0.3	3	25
OCT	31	0.1	1	5
NOV	30	0.3	1	6
DEC	31	0.5	4	10
YEAR	357	0.6	7	25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016 OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	730	4	1	0	0	0	0	0	0	0	0	735
FEB	622	7	0	0	0	0	0	0	0	0	0	629
MAR	722	4	0	0	0	0	0	0	0	0	0	726
APR	683	22	5	0	0	0	0	0	0	0	0	710
MAY	681	34	10	3	1	0	0	0	0	0	0	729
JUN	612	10	5	0	0	0	0	0	0	0	0	627
JUL	700	11	1	0	0	0	0	0	0	0	0	712
AUG	710	5	1	0	0	0	0	0	0	0	0	716
SEP	690	3	0	2	1	0	0	0	0	0	0	696
OCT	727	0	0	0	0	0	0	0	0	0	0	727
NOV	706	1	0	0	0	0	0	0	0	0	0	707
DEC	712	7	0	0	0	0	0	0	0	0	0	719
YEAR	8295	108	23	5	2	0	0	0	0	0	0	8433

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	99	MAX	ARITH MEAN
96.0	0	0.0	0.0	0.0	0.0	1.3	2.4	4.5	6.7	25



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JAN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	4	4	7	6	7	6	5	4	4	5	6	3	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2	3	3	2	1
6	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	0	1	2	3	3	2	1
7	2	3	9	13	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	2	1	1	1	1	1	1	2	2	2	2	3	4	5	4	4	4	5	4	4	3	3	3
11	3	3	1	1	2	1	1	4	2	9	11	9	9	4	2	1	1	1	0	0	0	0	0	0	3
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	1	0	0	0	0	1	2	2	3	3	3	4	4	3	2	2	3	3	2	2	5	8	2	
14	9	2	2	4	3	3	2	1	1	1	2	2	1	1	1	0	0	0	0	0	0	1	1	2	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	3	1	
17	3	2	1	1	1	1	1	1	1	2	2	4	9	6	2	1	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	
22	1	2	6	8	5	4	9	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	DATA INVALID																								
24																									
25	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	2	1	1	1	1	1	0	0	1	
26	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	
31	0	0	0	1	1	2	3	3	2	2	2	3	1	1	2	2	2	1	0	0	0	0	0	0	
MEAN	1	1	1	2	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1.2	

PERCENTAGE OF DATA VALID - 89.7

PERCENTAGE OF DATA INVALID - 10.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
2	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
3	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1
5	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0
7	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	5	4	3	2	6	4	5	2	2
11	2	1	2	2	2	2	2	2	2	2	2	4	5	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	2	1	1	3	8	6	8	7	8	8	7	8	11	12	15	10	9	9	11	16	15	19	19	9
19	17	19	22	22	20	21	14	7	6	10	13	15	7	9	10	5	4	4	3	3	2	2	2	2	2
20	2	1	1	3	3	1	1	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	2	2	2	3	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 3.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	2	---	---	10	9	8	10	14	13	14	8	12	17	9	5	8
4	6	5	5	4	3	4	3	2	2	3	4	4	5	6	4	3	3	3	2	2	2	2	2	2	3
5	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	4	4	2	1	---	---	2	1	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	5	5	11	6	5	2
10	6	2	2	1	3	5	2	4	8	10	10	8	8	10	13	9	2	0	0	---	---	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	1	2	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	3	5	8	7	6	10	14	13	17	10	15	14	16	6	3	3	3	5	4	5	4	5	7
20	4	14	13	8	12	6	3	5	28	19	11	8	13	14	11	3	4	6	3	2	1	0	0	0	0
21	0	0	0	0	0	---	---	---	---	---	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	2	3	14	4	3	3	2	2	2
28	2	1	1	0	0	0	0	0	0	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	---	---	---	---	---	---	---	---	---	---	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "----" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH - APR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	----	0	0	0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2	----	0	0	0	0	0	0	1	1	----	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
4	0	0	0	0	1	2	7	3	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	0	1
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0	1	3	8	5	4	3	3	2	3	1	1	1	1	1	1	2
7	0	0	0	0	0	0	0	0	1	2	5	12	17	20	1	1	1	1	1	1	1	2	1	1	3
8	1	1	1	1	1	2	2	2	----	0	0	1	2	1	0	0	0	0	0	0	1	1	0	0	1
9	1	2	0	0	0	0	1	12	4	5	5	1	1	1	3	1	1	3	7	4	4	11	3	2	3
10	2	1	4	11	8	5	13	4	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	----	9	1	1	2	1	1	1	2	3	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	8	9	2	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	3	2	4	7	4	7	3	3	2	1	1	1	1	1	1	1	1	1	1	1	3	1	3	2	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	0	0	0	0	0	1	9	4	5	4	3	4	2	1	2	2	0	0	0	0	0	0
18	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	2	1	1	2	4	5	3	6	4	2	3	2	0	0	0	0	0	0	5	2	4	8	2	2
20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	----	3	3	3	1
22	2	1	1	2	3	2	5	7	8	4	10	8	7	7	2	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	----	----	----	----	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	1	1	2	2	2	2	2	1	1	0	0	1	1	1	1	1	1	1	0

PERCENTAGE OF DATA VALID - 90.3

PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "----" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	1	0	0	0	0	1	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	4	7	5	2	2	2
4	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
5	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	3	2	2	1
6	0	0	0	0	0	0	1	1	0	1	2	3	2	2	2	3	1	4	2	3	2	0	0	0	0
7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	2	6	3	2	2	2	1	0	0	0	0	0	0	0	1	2	1	0	0	1
9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	1	1	1	5	10	14	12	6	10	9	12	9	11	3	2	1	1	9	15	6
11	1	1	1	0	0	0	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	0	0	0	0
15	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	6	2	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	3	2	0
22	1	1	1	2	1	1	1	1	2	1	1	1	2	2	1	1	1	2	4	3	2	4	3	3	2
23	2	3	3	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	2	2	2	1
24	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
28	4	3	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	1	1	0	0	0	2	2
29	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	2	2	3	3	3	2	2	7
30	2	3	6	3	2	2	8	11	11	17	16	12	14	12	12	12	16	5	1	1	5	2	1	1	1
31	7	2	9	7	1	4	4	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MEAN	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	2	3	1	1	1	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	1	1	1	0	0	0	1	1	1	2	1	1	1	0	0	1	1	1	1	1	1	3	3	2	2	
5	0	0	0	0	0	0	0	0	0	1	2	2	3	10	3	1	1	1	1	1	1	1	1	1	1	
6	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	5	8	7	3	2	1	1	2	
7	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	1	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	1	0	0	0	0	1	2	***	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	2	3	7	6	7	6	1	1	1	2	2	2	2	3	4	1	2	5
13	1	1	2	1	2	2	2	3	4	***	2	12	11	11	10	6	17	13	9	3	3	2	3	4	5	
14	4	3	3	2	2	4	2	1	1	1	1	1	1	3	8	6	3	3	5	4	2	1	1	1	3	
15	2	4	3	2	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	
16	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	2	0	0	0	0	0	0	3	8	5	3	1	0	1	1	4	10	11	16	15	17	21	5	1	5	
18	1	1	1	1	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	
19	1	1	1	0	0	0	0	1	3	15	17	16	16	15	15	6	0	0	0	0	0	0	0	0	4	
20	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	5	4	3	2	
22	3	3	4	5	5	3	3	5	6	5	5	4	8	4	5	12	8	8	5	3	3	2	2	1	5	
23	2	2	2	2	2	2	2	***	3	5	5	4	3	9	10	10	10	6	4	3	2	2	2	1	4	
24	1	1	1	1	1	1	1	1	1	1	3	11	15	11	6	4	2	2	3	4	3	2	1	1	3	
25	1	1	0	0	0	0	1	4	3	2	4	8	30	20	11	17	17	19	9	12	9	5	10	16	8	
26	13	3	3	3	3	4	3	4	2	2	1	2	1	1	1	1	1	1	1	1	1	0	0	0	2	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	2	1	1	1	1	1	1	1	0	1	
29	1	1	2	4	1	1	1	4	5	8	8	13	10	1	1	1	1	0	1	0	0	0	1	0	3	
30	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
MEAN	1	1	1	1	1	1	1	1	1	2	2	3	4	3	3	3	3	3	2	2	2	2	1	1	1.9	

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	4	6	10	13	6	8	10	14	12	12	13	20	18	14	6	3	2	7
2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
4	0	0	0	0	0	1	1	1	3	5	3	2	3	1	0	0	0	0	0	1	1	1	1	1	1
5	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	2	5	7	15	22	9	4	8	2	3	3	11	6	2	1	0	0	0	4
8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	1	0	12	0	1	6	3	5	8	1	0	0	0	2
10	0	0	0	0	0	0	0	2	6	6	8	15	15	17	22	13	3	3	5	3	1	3	5	2	5
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	1	1	0	0	1	2	5	12	12	9	10	15	32	7	3	3	3	1	1	4	7	2	2	6
15	1	6	7	13	14	14	13	7	5	3	3	2	2	1	1	1	1	1	3	2	1	1	1	1	4
16	1	0	0	0	0	0	0	0	0	0	0	0	0	1	22	16	8	4	8	8	2	1	1	1	3
17	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	3	4	7	13	5	10	6	5	3	2	1	1	1	1	2	3
19	2	1	1	0	0	0	1	2	2	2	2	1	3	3	2	1	1	2	3	2	1	1	2	1	2
20	1	1	1	0	0	1	6	3	2	1	1	1	1	1	1	2	2	14	14	12	10	10	8	4	4
21	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	5	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	4	3	1	2	2	4	1
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
29	0	0	0	0	0	1	2	2	1	5	3	2	2	2	5	9	1	2	2	1	0	0	0	0	2
30	0	2	3	0	0	1	2	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	1
31	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MEAN	1	1	1	1	1	1	1	1	2	2	3	2	2	3	4	3	2	2	3	2	1	1	1	1	1.7

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - AUG 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	1	1	1	1	1	1	1	1	3	3	2	4	21	9	3	6	4	1	1	1	1	1	1	1	3
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	1	1	1	1	0	0	0	0
5	0	0	0	1	0	0	1	4	....	2	2	3	4	5	4	3	4	5	1	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	4	6	3	2	1	2	1
7	1	3	2	1	1	1	2	5	....	12	2	1	0	1	0	1	1	1	1	0	0	0	0	0	2
8	0	1	0	0	0	0	0	0	0	0	0	1	1	3	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	1	1	1	0	8	4	4	2	4	3	2	2	1	1	1	1
12	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	0	0	0	0	0	0	0	1	6	4	2	2	2	2	4	2	4	2	3	3	2	2	1	2
14	1	2	5	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	2	5	1	1	1	0	1	1	1	1	0	0	1	1	1	0	0	0	1
20	1	1	2	3	2	1	1	1	2	4	2	2	4	9	8	1	1	1	....	0	0	0	0	0	2
21	0	0	0	0	....	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	5	5	3	3	2	2	2	2	2	1	2	1	1	1	1
25	1	0	0	0	0	0	0	0	0	....	1	2	2	2	2	3	3	7	4	2	2	4	3	2	2
26	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	4	6	10	10	4	4	3	2	2
27	2	2	1	1	1	2	1	2	....	2	2	2	2	2	2	2	2	4	10	4	1	1	1	1	2
28	0	0	0	0	0	0	0	0	0	0	0	1	3	3	1	3	1	....	1	1	1	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	12	12	2	....	1	1	1	2	2
30	1	1	3	3	3	1	0	0	1	3	5	2	3	3	5	8	11	8	5	3	4	7	7	8	4
31	11	3	2	1	1	0	0	0	0	0	0	1	1	5	5	7	4	2	0	1	6	9	13	7	3
MEAN	1	1	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	9	9	7	4	8	10	5	1	0	0	1	3	2	2	2	1	0	0	0	0	0	0	0	3
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	2	1	1	1	1	0	0	0	1	2	3	6	10	19	3	2	3	4	1	1	1	1	1	3
4	0	0	0	0	0	0	0	0	1	3	2	2	2	4	11	8	9	8	10	0	3	4	1	1	3
5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	1	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	4	7	5	0	0	4	4	2	2	3	2	1	1	1	4	2
9	4	1	0	1	1	1	8	1	5	15	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	1	2	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	2	4	4	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	3	10	12	12	12	10	7	4	3	6	7	9	3	3	2	1	1	1	1	1	1	1	1	5
21	1	1	1	1	1	1	1	2	3	8	6	5	2	2	1	1	1	1	1	1	1	1	1	1	2
22	1	1	0	0	0	0	0	0	0	0	1	0	0	1	8	8	4	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	6	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	0	1	5	6	3	2	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	6	6	5	4	5	10	11	8	4	2	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	11	7	4	1	1	0	0	0	0	0
30	0	0	0	1	1	0	1	1	4	2	2	0	9	7	9	9	6	4	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	2	1	2	2	2	4	3	2	1	1	0	0	0	0	0	1.3

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	7	12	3	6	10	13	15	16	11	10	12	12	11	13	14	16	16	11	3	0	0	0	0	9
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	11	11	2	2	3	6	3	3	2	0	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	5	4	1	3	8	14	11	1	1	0	0	0	0	0
11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	2	7	7	0	2	0	0	0	0	0	0	0	0	0	0
18	2	1	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	0	0	1	1	1	1	0	1	1	1	1	1	2	2	2	1	1	0	0	1	0	0.8

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	1.2	3	13
FEB	27	1.2	10	22
MAR	29	1.2	8	28
APR	27	0.9	3	20
MAY	31	1.1	7	17
JUN	30	1.9	8	30
JUL	30	1.7	7	32
AUG	31	1.2	4	21
SEP	30	1.3	5	19
OCT	31	0.8	9	16
NOV	28	2.5	12	27
DEC	31	1.4	7	15
YEAR	353	1.4	12	32

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	646	19	2	0	0	0	0	0	667
FEB	615	19	8	6	3	0	0	0	651
MAR	638	28	18	4	0	1	0	0	689
APR	626	17	5	2	0	0	0	0	650
MAY	706	15	11	3	0	0	0	0	735
JUN	652	34	17	11	1	1	0	0	716
JUL	651	34	23	4	3	1	0	0	716
AUG	702	23	6	0	1	0	0	0	732
SEP	645	45	9	2	0	0	0	0	701
OCT	687	19	17	3	0	0	0	0	726
NOV	592	46	26	16	5	1	0	0	686
DEC	700	17	19	0	0	0	0	0	736
YEAR	7860	316	161	51	13	4	0	0	8405

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.7	0	0.0	0.0	0.0	0.7	3.0	6.7	11.6	14.3	32	1.4



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA													MONTH - JAN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	9	2	1	2	4	3	3	2	2	5	5	4	5	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1	1
5	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	0	1	1	2	3	5	4	3
7	2	0	2	9	4	5	6	7	6	7	6	7	6	7	6	7	8	5	1	0	0	0	0	0	4
8	0	0	0	0	0	0	0	3	7	6	7	5	5	3	3	2	0	0	0	0	0	0	0	0	2
9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	- DATA INVALID -																								
11	- DATA INVALID -																								
12	- DATA INVALID -																								
13	- DATA INVALID -																								
14	- DATA INVALID -																								
15	- DATA INVALID -																								
16	- DATA INVALID -																								
17	- DATA INVALID -																								
18	3	2	2	5	5	3	3	4	4	0	0	0	3	3	3	2	2	1	1	1	1	1	2	3	0
19	- DATA INVALID -																								
20	- DATA INVALID -																								
21	- DATA INVALID -																								
22	- DATA INVALID -																								
23	- DATA INVALID -																								
24	0	0	0	0	0	1	4	3	2	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	1	1	0	0	0	0	0
26	0	0	0	0	0	0	1	1	0	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	2	3	1
29	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	0
30	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	1	1	2	3	4	3	2	3	3	4	3	3	3	3	2	2	1	0	0	0	0	0	2
MEAN	1	1	0	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	0	0	1	1	1	1.1

PERCENTAGE OF DATA VALID - 54.6

PERCENTAGE OF DATA INVALID - 45.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	1	1	1	0	0	0	0	0	0
2	1	0	0	0	0	1	0	0	1	2	3	3	3	2	2	2	1	1	1	1	1	2	1	1	1
3	2	1	1	1	0	0	0	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	
5	0	0	0	0	0	0	0	0	1	2	5	8	3	3	4	5	4	3	2	1	1	0	0	1	2
6	1	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	1	1	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0
8	1	2	1	0	0	0	0	0	1	2	3	2	2	2	2	1	1	0	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	2	2	0	0	2	4	3	2	2	4	8	5	3	1	1	2	1	1	2	2
11	3	3	3	3	2	2	3	3	0	0	1	1	4	0	1	1	0	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	1	2	3	3	3	2	2	1	1	1	1	1	2	1	4	3	1
13	4	3	3	4	2	2	3	3	4	4	4	4	4	6	10	9	14	13	10	6	4	6	5	3	5
14	3	3	3	4	2	2	2	2	1	1	2	2	2	2	2	2	1	1	1	0	0	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	2	3	3	3	2	2	3	2	2	1	1	3	2	2	2	1
18	4	4	2	2	2	1	0	0	0	1	2	3	3	5	4	5	9	8	5	4	7	9	8	7	4
19	6	3	2	2	2	4	4	3	2	2	2	4	6	3	3	2	1	1	0	0	0	0	0	0	2
20	0	0	0	0	0	0	1	0	0	0	0	1	1	1	3	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	1	1	0	0	1	3	1
24	3	1	2	1	1	0	0	0	0	0	0	1	1	1	1	1	0	1	1	2	4	3	2	1	1
25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	0	0	0	0	0	1	3	3	3	3	3	4	4	2	1	1	0	0	0	0	1	1
27	1	3	4	5	6	3	2	6	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	2	2	3	2	2	1	1	1	1	0	0	0	0	0	1
29	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA												MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	.....	.....	.....	.....	.....	.....	1
2																								
3	4	5	4	4	3	2	3	5	5	5	4	3	9	8	11	10	8	5	6	6	6	2	1	1
4	1	1	0	0	0	0	1	1	2	.....	.....	.....	.....	.....	.....	.....	3	2	2	2	1	1	1	2
5	3	2	1	1	0	0	0	0	0	0	0	0	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	0	0	0	0	0	0	0	0	1	2	2	4	3	3	3	3	1	1	1	1	0	0	0	0
8	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	1	0	0	2	1	1	1	3	6	4	3	3	2	2	1	2	2	1	1	0	1
10	1	1	1	1	0	0	0	0	1	3	5	8	11	9	4	.....	2	5	1	2	1	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1	1	1	1	1	1	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	2	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2
19	1	2	1	1	1	0	0	1	2	4	6	8	9	14	3	2	2	2	2	2	2	2	2	2
20	3	1	1	1	1	0	0	1	1	4	6	12	15	8	11	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
24	0	1	1	1	0	1	1	1	1	2	2	.....	2	1	1	1	1	1	1	1	0	0	0	0
25	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0
27	1	1	1	0	0	0	1	1	2	2	3	3	2	2	2	2	1	3	3	2	1	1	1	0
28	0	0	0	0	0	0	0	0	1	1	2	2	2	3	3	3	3	2	2	2	2	2	2	1
29	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1
30	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
31	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	.....	1
MEAN	1	1	1	1	0	0	0	1	1	1	2	2	3	3	3	2	2	2	1	1	1	1	0	1

PERCENTAGE OF DATA VALID - 87.1

PERCENTAGE OF DATA INVALID - 12.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA												MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0
2	0	0	0	0	2	1	1	0	1	1	2	3	2	2	2	3	3	2	2	1	1	1	1	1
3	1	1	0	1	1	1	1	2	2	2	1	1	.....	.....	.....	0	0	0	0	0	0	0	0	0
4	0	0	0	1	2	3	1	2	3	4	1	1	0	0	1	1	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
6	1	1	0	0	0	0	0	0	0	1	3	4	5	4	2	2	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	3	13	4	1	0	0	0	0	0	0	1	1	1	0	0
8	0	0	0	1	1	1	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	0	1
9	0	0	0	0	0	0	0	1	4	4	1	0	0	0	0	1	0	2	3	2	2	3	0	1
10	2	2	1	0	0	0	0	0	1	1	2	1	1	3	4	4	6	5	2	2	1	4	1	0
11	0	3	5	1	6	2	2	1	1	1	2	.....	2	1	1	2	4	2	3	2	2	0	0	2
12	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	1
15	1	1	1	1	0	0	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	2	5	4	4	4	3	2	6	4	2	2	2	2	2	3
18	2	0	0	0	1	1	1	2	1	1	1	1	1	1	.....	0	0	1	1	0	0	1	1	1
19	0	1	0	1	0	1	0	0	3	5	6	3	4	3	4	1	1	2	1	2	1	2	1	1
20	0	1	0	1	1	0	0	1	0	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	0	0	0	0	1	2	1	2	1	2	1	2	.....
22	0	1	0	2	1	3	2	3	2	6	8	7	11	9	4	5	4	6	5	5	4	4	4	4
23	3	4	3	3	2	3	2	3	2	3	2	4	2	2	2	4	2	4	3	4	2	2	3	3
24	2	3	2	3	2	3	1	3	2	3	2	2	2	3	2	3	2	4	2	4	2	3	2	2
25	2	2	3	2	3	2	3	2	3	4	0	.....	1	1	1	1	1	2	2	3	1	1	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	3	2	2	2	2	2	2	2	1
29	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	1	1	1	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1
3	1	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1
4	1	1	1	0	0	0	0	1	2	3	8	3	3	2	2	3	3	3	3	4	4	4	6	3	3
5	3	3	3	3	3	3	4	3	4	4	5	5	3	4	4	2	2	3	3	3	2	2	2	1	3
6	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	1	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
10	1	1	1	0	0	0	1	1	5	8	4	3	4	6	4	5	4	5	3	3	2	2	5	3	3
11	2	1	1	1	2	2	2	4	5	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	2
12	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1
14	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	2	2	2	1	1	1	1	0	0	1
15	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
17	1	0	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
20	1	1	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	4	6	5	4	2
22	5	4	3	2	2	2	2	3	4	3	4	3	4	5	4	3	3	3	3	3	3	3	4	4	3
23	4	4	3	2	1	1	1	2	3	3	3	3	3	3	3	1	3	3	3	3	3	2	2	2	3
24	3	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1
27	0	0	0	0	0	0	1	2	2	1	2	2	2	1	1	3	1	1	1	1	1	0	0	0	1
28	0	0	0	0	0	0	0	0	1	1	2	4	5	2	3	3	2	2	2	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	2	2	2	3	3	3	4	4	2	2
30	2	2	1	1	1	1	1	2	9	7	7	6	8	10	1	2	2	2	3	3	3	0	0	0	3
31	0	1	0	1	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	3
6	3	3	3	2	3	2	2	2	2	2	2	2	2	8	5	3	3	3	2	2	2	2	2	2	2
7	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	4	2	4	2	2	3
8	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
9	0	0	0	0	0	0	1	1	2	0	0	0	1	1	2	3	2	2	1	1	1	1	1	1	1
10	0	0	0	0	0	0	1	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
12	1	1	1	0	0	0	1	2	4	7	9	11	11	8	5	5	5	4	5	5	3	3	2	5	1
13	2	2	2	2	2	2	1	1	1	3	4	4	9	12	8	4	5	6	4	4	3	3	3	4	4
14	4	4	4	3	2	2	4	2	2	2	2	2	4	2	4	3	3	6	5	6	3	2	2	2	3
15	1	1	1	1	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
16	0	0	0	0	0	0	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	3	7	10	9	6	4	3	2	2	2	4	4	5	3	3	1	1	1	3
18	2	2	1	1	2	3	6	8	6	4	3	3	3	2	2	2	2	2	2	2	1	1	1	1	3
19	1	1	1	1	1	1	1	1	2	4	11	11	10	10	3	2	1	1	1	1	1	1	0	0	3
20	1	1	0	0	0	1	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	1
21	3	1	0	0	0	1	1	2	1	1	1	1	1	1	0	1	1	2	2	2	1	1	1	1	1
22	1	1	1	0	0	0	0	1	1	3	3	1	2	6	4	6	6	6	3	2	1	1	1	1	2
23	1	1	1	1	1	1	1	4	10	11	6	9	10	2	1	4	3	3	3	3	2	2	2	2	4
24	2	2	2	2	2	2	2	2	2	2	2	6	9	6	11	13	8	3	3	3	2	1	1	1	4
25	1	1	1	1	0	0	1	4	7	9	8	22	4	7	20	30	28	9	3	2	1	1	1	1	7
26	1	1	3	2	3	3	4	6	7	9	8	4	5	4	3	2	2	2	2	2	1	1	1	1	3
27	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	6	1	2	1	2	1	1	1	0	1
29	0	0	0	0	0	0	0	1	2	3	3	3	3	4	2	1	1	1	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	2	2	1	1	1	1	2.0

PERCENTAGE OF DATA VALID - 93.9

PERCENTAGE OF DATA INVALID - 6.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14062		242 INDIAN ROAD SOUTH, SARNIA												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	5	3	2	6	4	6	6	7	7	9	7	5	5	3	4	3
2	5	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	1	1	1	1	2	7	10	10	4	5	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	2	2	3	3	3	3	5	6	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	1	4	4	6	7	9	2	2	1	1	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	18	31	11	3	2	1	1	4
10	1	1	1	1	1	1	1	2	3	6	11	19	18	7	16	24	5	4	4	4	3	2	2	2	8
11	3	5	5	3	2	2	3	9	9	6	4	2	2	2	2	2	1	0	0	0	0	0	0	0	3
12	0	0	0	0	0	0	2	2	1	1	1	1	1	1	1	1	2	2	0	0	0	0	0	0	1
13	0	0	0	0	0	0	2	3	4	3	3	3	2	2	2	2	2	1	1	0	0	0	0	0	1
14	0	0	0	0	0	0	1	2	3	5	11	6	10	11	10	7	3	4	3	2	2	1	2	1	3
15	1	2	3	2	1	1	2	3	4	3	4	4	2	1	1	2	3	3	3	2	2	1	1	1	2
16	1	2	1	1	1	2	4	4	4	4	4	4	4	5	10	9	4	7	8	4	3	2	2	4	4
17	2	2	2	2	2	2	4	3	3	4	4	3	3	3	3	3	2	1	1	1	1	1	1	1	2
18	1	1	1	1	1	1	2	4	4	4	4	15	8	5	17	4	3	4	2	2	1	1	1	1	4
19	0	0	0	0	0	0	1	3	6	7	5	6	3	3	3	2	2	2	1	2	2	1	1	1	2
20	1	1	1	1	1	1	1	2	5	4	2	4	3	3	3	3	3	6	6	3	4	4	3	3	3
21	2	3	5	4	5	2	3	5	5	4	3	4	3	3	3	3	3	2	1	1	1	1	1	1	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	3	5	6	4	3	3	4	3	3	3	6	8	3	2	2	1	1	3
25	1	1	1	1	1	0	2	2	4	5	2	2	2	2	4	3	3	3	3	3	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	2	2	2	1	1	1	1	1	1	2	1	0	2	2	2	2	2	1	2	1	1	1
29	1	1	1	1	1	1	1	1	1	2	3	7	4	7	4	5	8	3	3	3	2	2	2	1	3
30	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	1	1
31	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	2	2	1	1	1	2
MEAN	1	1	1	1	1	1	2	2	3	3	3	4	3	3	3	3	3	3	3	2	2	2	1	1	2.2

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA													MONTH - AUG 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	0	0	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	2	1	1	1	1	1	1
6	1	0	0	0	0	0	0	2	2	1	3	4	3	3	4	4	3	3	3	3	2	2	2	1	2
7	1	1	1	2	1	2	3	2	2	4	7	4	3	3	3	3	3	5	4	3	2	1	1	1	3
8	1	1	1	2	2	3	2	2	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	0
9	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	0	9	10	4	2	1	1	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	2	2	1	1	1	1	1	1
14	1	1	1	1	2	2	4	3	5	4	2	2	2	2	2	3	3	3	2	2	1	1	1	1	2
15	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	6	4	5	3	2	2	2	2	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	3	4	7	6	5	4	2	2	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	2	4	5	5	14	4	2	2	2	2	2	1	1	1	1	2
21	1	1	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	1
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	4	4	2	1	1	1	1	1	1	1
25	1	0	0	0	0	0	0	0	2	8	6	8	5	4	4	5	8	9	3	3	3	3	3	3	3
26	0	0	0	0	0	0	0	1	3	4	4	2	3	5	4	5	0	13	6	4	4	3	3	2	3
27	2	2	2	1	1	1	1	1	3	5	5	5	5	5	6	6	7	5	5	5	3	3	3	2	4
28	2	2	2	2	2	2	2	2	2	2	2	3	5	6	3	9	5	5	4	3	2	2	2	2	3
29	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	2	2	2	1	1	1	1	2
30	1	1	1	1	2	2	1	1	1	0	0	1	1	1	2	8	6	5	1	1	1	0	0	0	2
31	1	0	0	0	1	1	1	0	0	0	1	1	1	1	2	3	1	1	1	1	1	0	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	3	2	2	2	2	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA		MONTH - SEP 80																							
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	2	7	9	6	2	2	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	4	12	0	0	0	5	3	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	4	2	1	0	0	2	2	0	0	0	0	0	1
10	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
11	0	0	0	3	2	3	4	3	3	5	4	2	1	1	1	1	1	0	0	0	0	0	0	1	1
12	4	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	5	4	8	3	3	3	1	1	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	2	0	0	0	0	0	0	0	0
19	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	2	2	3	1	2	3	3	4	1	0	0	0	1	1	1	1	1
21	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	2	1	0	0	0	0	1	0	1
22	0	0	0	0	0	0	0	0	1	1	1	2	1	2	2	1	1	1	0	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	4	2	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	1	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
30	1	1	1	1	1	0	0	0	0	3	4	1	0	6	7	9	9	2	1	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA		MONTH - OCT 80																							
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	2	2	2	2	2	4	6	8	4	4	2	1	0	0	0	2
2	0	0	0	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	2	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	2	1	1	1	1	1	1	2	0	0	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
8	0	0	1	2	1	1	2	4	3	3	4	7	2	2	2	2	2	2	1	1	1	1	1	1	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	2	2	14	15	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
18	1	2	1	1	2	1	1	2	2	2	1	3	3	4	4	3	1	1	1	0	0	0	0	0	1
19	12	13	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20	8	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	5	11	2	2	2	2	2	2	2	1	1	3	1	1	2	2
31	4	4	3	3	1	1	1	1	3	10	9	4	1	1	1	1	0	1	1	1	1	1	1	0	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - SW NO 14062											242 INDIAN ROAD SOUTH, SARNIA														
MONTH - NOV 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	1	1	1	2	2	1	2	2	3	2	2	1	...	0	1	3	8	10	0	0	0	0
4	0	0	0	0	0	10	9	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	6	1	2	3	2	3	2	2	3	2	2	1	1	2	1	2	4	8	2
7	3	2	4	3	0	0	0	0	0	1	2	3	...	2	2	3	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	1	1	5	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
12	1	1	0	1	0	0	0	0	1	0	0	0	0	0	2	4	3	3	2	0	0	0	0	0	2
13	0	0	0	1	2	2	2	2	2	3	3	4	3	2	3	2	3	2	1	1	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	1	1	1	2	1	2	2	2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	5	4	3	6	2	1	1	1	1	1	1	1	1	1	1	2	2	1
20	2	1	1	1	1	1	0	0	1	1	3	6	3	3	4	7	8	2	2	2	3	6	4	4	3
21	6	4	2	1	2	5	2	3	6	3	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2
22	1	1	2	2	1	4	8	2	2	2	3	2	2	2	7	10	6	2	3	6	6	4	3	3	4
23	3	2	1	1	1	1	0	0	0	2	2	2	2	4	1	0	0	0	0	0	0	0	0	0	1
24	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0	0	1	1	3	3	2	3	4	9	1	1	0	1	1	0	0	0
27	0	0	1	0	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	1	2	1	1	0	0	0	1	0	0	2	2	2	2	2	1	1	2	5	3	2	2	1
29	1	1	1	4	5	9	8	7	3	2	2	1	1	1	1	1	1	1	1	1	1	1	7	6	3
30	11	9	8	7	4	5	2	2	2	3	3	3	7	2	1	1	2	12	6	2	2	2	2	2	4
MEAN	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.8      PERCENTAGE OF DATA INVALID - 1.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	2	1	1	2	2	2	2	1	1	1	0	1	1	0	0	0	0	0	0	1
2	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	4	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	2	2	4	2	1	2	2	1	1	1	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
9	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1	2	2	3	5	3	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	3	0	0	1	1	0
12	1	0	1	1	1	0	0	0	0	0	0	0	0	1	2	1	1	2	2	0	0	0	0	0	0
13	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1	0	1	0
14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	0	0
15	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	...	2	3	4	4	3	2	2	3	1
16	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	...	1	1	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	2	3	8	6	6	7	2	1	1	2	3	4	2
18	4	2	3	3	2	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	3	4	4	4	1
23	4	4	3	1	1	1	1	2	2	3	4	4	4	8	4	4	3	2	2	2	2	3	3	3	3
24	3	2	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	2	1	0
26	1	1	1	8	7	2	3	4	3	2	2	2	2	3	2	3	2	2	2	1	1	1	1	1	2
27	1	1	1	1	1	0	1	1	1	0	1	2	2	1	1	1	1	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	2	8	8	14	14	9	5	6	6	4	3	5	2	2	3	4
29	1	3	5	3	4	3	1	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 24-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	16	1.1	4	12
FEB	29	1.2	5	14
MAR	26	1.2	5	15
APR	28	1.2	4	13
MAY	31	1.5	3	10
JUN	28	2.0	7	30
JUL	31	2.2	6	31
AUG	31	1.4	4	14
SEP	30	0.7	3	22
OCT	31	0.8	3	15
NOV	30	1.1	4	12
DEC	31	0.6	4	14
YEAR	342	1.3	7	31

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	388	17	1	0	0	0	0	0	0	406
FEB	657	18	2	0	0	0	0	0	0	677
MAR	625	17	6	0	0	0	0	0	0	648
APR	681	9	2	0	0	0	0	0	0	692
MAY	722	12	0	0	0	0	0	0	0	734
JUN	621	42	8	2	1	2	0	0	0	676
JUL	675	38	5	5	1	1	0	0	0	725
AUG	708	22	2	0	0	0	0	0	0	732
SEP	685	14	3	1	1	0	0	0	0	704
OCT	721	10	5	0	0	0	0	0	0	736
NOV	674	35	2	0	0	0	0	0	0	711
DEC	721	13	2	0	0	0	0	0	0	736
YEAR	7878	247	38	8	3	3	0	0	0	8177

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.1	0	0.0	0.0	0.2	1.0	2.7	4.0	6.9	8.7	31	1.3



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - SW NO 14064															CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA										MONTH - JAN 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	4	3	3	3	6	8	5	6	5	5	5	5	6	3	0	0	0	0	0	0	1	0	0	0	3									
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
3	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
4	1	1	1	1	0	2	2	2	1	2	2	2	2	2	1	0	0	1	1	0	0	1	0	0	1									
5	0	1	0	1	***	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	1									
6	0	0	1	0	0	0	0	0	0	0	1	1	3	1	0	0	0	0	0	1	1	1	1	1	1									
7	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1									
8	2	3	2	2	2	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	1	3	1	0	0									
9	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	1	0	0	1	3	1	0	0									
10	0	1	1	0	0	0	0	0	1	2	1	1	1	2	3	5	3	2	3	3	3	4	2	2	2									
11	3	2	1	1	1	1	1	6	8	8	10	7	***	***	5	1	0	0	0	0	0	0	0	0	3									
12	0	0	0	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0									
13	1	1	1	0	0	0	0	2	1	2	4	2	3	3	3	4	4	4	4	4	4	4	4	4	2									
14	6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	2	0	0	0	0	1									
15	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0									
16	0	0	0	1	1	0	0	0	0	0	0	1	1	***	1	1	1	0	0	0	1	2	3	3	1									
17	2	2	1	1	0	0	0	0	2	***	8	9	7	3	1	0	0	0	0	0	0	0	0	0	2									
18	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	1									
19	1	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0									
20	0	0	0	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0									
21	0	0	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	1	2	1	0	1	1	1									
22	1	1	9	11	7	7	6	2	2	2	2	1	0	1	1	1	1	0	0	0	0	0	0	1	2									
23	0	0	0	0	0	1	1	1	2	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1									
24	1	1	0	0	0	0	0	0	0	0	1	2	2	3	3	7	5	7	2	2	1	1	1	1	2									
25	0	0	0	1	1	1	1	0	1	1	1	1	1	2	2	2	1	1	1	2	2	1	1	1	1									
26	2	2	2	1	1	1	1	1	3	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1									
27	1	0	1	1	1	1	1	0	1	2	2	1	1	2	1	1	1	1	1	1	0	0	1	1	1									
28	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
29	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	0	0	1									
30	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0									
31	***	***	***	***	***	***	***	***	***	***	0	1	1	1	1	2	1	1	0	0	0	1	1	0	***									
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.0									

PERCENTAGE OF DATA VALID - 95.7      PERCENTAGE OF DATA INVALID - 4.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																									
POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 14064										CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA										MONTH - FEB 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
3	1	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0
4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1	3	-	-	1	1	1	1	0	0	1
6	0	0	1	1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	0	1	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0
8	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1
9	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	2	2	3	3	3	1	1	1	1
11	0	1	0	1	0	1	0	0	0	2	0	0	8	3	2	1	1	1	1	1	1	1	2	1	1
12	2	1	1	1	1	2	2	1	2	2	1	2	1	2	1	1	1	1	1	0	1	1	1	1	1
13	1	2	1	1	1	1	1	1	2	2	2	4	4	7	11	9	11	13	12	13	4	4	2	2	5
14	2	3	3	4	3	3	3	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	0
16	2	2	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	2	4	3	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	0	0	2	4	3	4	2	3	3	3	3	6	7	7	10	11	12	12	9	11	12	12	6
19	12	10	11	10	11	10	13	8	6	10	5	4	3	3	3	3	3	4	3	3	1	1	1	1	1
20	0	0	1	1	1	1	0	0	2	2	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1
21	1	1	1	2	1	0	0	0	0	0	2	1	0	0	1	0	0	0	1	0	1	2	1	1	1
22	1	1	1	1	0	0	0	2	1	1	1	0	2	1	0	1	2	1	1	0	0	0	0	1	1
23	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	4	4	1	1	1	1	0	0	0	1
24	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
26	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	1	2	3	2	2	1
27	3	2	0	1	2	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
28	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	C	0	0	0	1	0	0	0	0
29	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.3      PERCENTAGE OF DATA INVALID - 1.4      PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14064		CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	2	2	3	3	5	8	10	11	10	11	****	9	13	12	10	5	3	4	6
4	4	3	3	3	2	2	2	2	3	3	4	5	8	6	4	4	5	3	2	3	4	7	7	4	4
5	10	6	4	3	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2
6	1	1	1	1	1	1	1	1	1	2	2	3	4	5	6	7	2	3	6	4	3	2	1	3	3
7	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	4	3	3	2	2	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	5	9	10	6	5	6	7	3	7
10	7	3	2	2	4	6	9	12	12	9	6	9	14	10	9	5	1	1	0	0	0	0	0	0	5
11	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	7	10	7	8	8	5	3	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	2	2	5	9	12	11	9	****	****	11	9	11	15	7	2	2	3	6	4	9	5	8	7
20	14	10	9	18	34	27	16	32	35	14	13	14	7	14	11	2	6	7	2	1	1	0	0	0	12
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	1	1	1	0	1	0	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	1	2	2	2	2	2	3	2	2	2	2	3	2	2	1	2	2	2	1	1	1	1	1.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14064		CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1
3	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
4	1	0	1	0	1	1	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
5	2	3	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	0	1	0	1	1	1	3	7	6	4	2	4	2	3	1	1	0	0	0	0	0	0
7	0	0	0	0	1	1	1	2	8	14	8	17	1	1	1	1	1	1	1	1	2	1	1	1	3
8	1	1	1	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	2	1	1	1	1	3	6	5	3	1	1	2	4	1	2	4	10	6	6	9	5	2	4	4
10	1	1	6	5	3	4	9	2	2	1	1	1	1	1	3	3	1	1	1	2	0	0	0	0	2
11	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	4	2	1	1	1	1
12	1	0	0	0	1	1	1	2	8	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	2	6	2	3	1	1	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	3	7	2	3	****	2	2	1	0	2	1	0	0	0	0	0	0	0
18	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	2	2	1	2	4	5	6	5	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	1	3	-	3	3	1
22	3	3	3	3	3	3	4	5	6	7	8	4	3	7	2	1	1	1	1	1	1	1	-	0	3
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION																			
STATION - SW NO 14064																CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA										MONTH - MAY 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	----	-	0	----	0	0	0	1	1	1	0										
2	1	1	1	1	1	1	1	1	1	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0										
3	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	1	2	3	0	0	0										
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1										
5	0	0	0	0	0	0	0	0	0	1	2	2	2	3	1	2	2	2	2	2	2	4	2	2	2										
6	1	2	1	1	1	1	2	2	1	1	2	2	3	2	1	2	1	3	3	2	2	4	2	2	2										
7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
8	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
9	1	1	1	1	1	1	2	2	1	1	1	1	0	1	0	1	C	0	0	0	1	1	1	1	1										
10	0	1	1	1	1	1	1	1	5	6	5	4	2	4	6	6	6	6	2	1	1	1	5	7	3										
11	2	1	1	0	1	2	8	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1										
12	1	1	1	1	1	1	0	1	0	1	C	C	C	C	C	C	C	C	1	1	C	C	C	C	0										
13	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0										
14	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0										
15	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0										
16	0	1	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
17	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1										
18	1	1	1	0	1	2	5	1	2	1	1	1	0	0	-	0	0	0	0	0	0	1	0	0	0										
19	0	0	0	0	0	0	1	1	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0										
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	2	0										
21	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	2	4	3	2	1										
22	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1										
23	2	2	5	2	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1										
24	1	1	1	1	1	1	1	2	1	2	1	1	1	0	0	1	1	1	1	1	1	1	1	2	1										
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1										
26	1	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	1	1	1	4	1										
27	0	0	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1										
28	4	4	2	1	1	1	1	1	1	2	3	2	1	0	0	1	0	1	0	2	1	1	1	1	1										
29	1	1	1	2	1	1	1	1	1	1	2	4	2	1	1	1	1	2	2	2	2	3	2	2	2										
30	2	0	0	3	2	3	7	11	10	8	5	6	6	9	10	15	11	4	0	2	9	1	1	3	5										
31	6	1	6	2	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1										
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0										

PERCENTAGE OF DATA VALID - 98.1      PERCENTAGE OF DATA INVALID - 1.5      PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - SW NO 14064															CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA										MONTH - JUN 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
2	0	0	1	2	2	1	1	1	0	1	1	1	0	0	0	3	0	0	0	0	0	0	0	0	0									
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
4	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	4	4	4	2	2	2										
5	1	1	1	1	0	0	1	1	3	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0										
6	0	0	0	0	0	0	1	1	1	1	1	1	3	11	2	1	0	0	0	0	0	0	0	0										
7	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	7	10	11	2	1	1	0										
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
9	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0										
10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0										
11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
12	0	0	0	0	0	0	0	0	0	0	0	5	4	4	1	0	0	1	2	1	1	1	1	1										
13	2	-	-	5	6	2	1	3	3	-	-	5	9	8	8	10	13	0	0	0	0	0	0	0										
14	3	3	4	3	0	0	0	0	0	0	1	1	1	2	2	0	0	1	0	0	1	1	0	1										
15	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
17	0	0	0	0	0	0	0	2	8	5	3	1	0	0	1	1	2	6	7	7	10	6	1	1										
18	0	1	1	0	1	0	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1										
19	1	0	0	0	0	0	0	0	0	2	17	9	7	9	8	16	3	0	1	0	0	0	0	1										
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1										
21	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	1	1	2	7	3	2										
22	4	2	1	1	1	1	2	4	4	3	2	2	3	2	2	4	5	7	6	3	5	3	2	1										
23	2	1	2	2	1	1	2	3	4	3	2	0	0	4	4	5	5	4	3	3	1	1	1	1										
24	1	1	1	1	1	1	1	1	1	1	1	11	6	4	0	1	1	3	2	2	0	0	1	1										
25	2	2	1	1	1	0	1	4	3	2	3	7	22	15	6	5	4	3	3	0	6	4	4	5										
26	2	1	1	1	2	3	3	3	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0										
27	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
28	0	0	0	2	0	0	0	0	0	0	0	1	5	2	1	1	1	1	1	1	1	0	0	1										
29	3	4	3	5	1	0	0	0	0	4	7	7	7	4	0	0	0	0	0	0	0	0	0	0										
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
MEAN	1	1	1	1	1	0	1	1	1	2	1	2	2	2	2	1	1	2	2	1	1	1	1	1										

PERCENTAGE OF DATA VALID - 93.8      PERCENTAGE OF DATA INVALID - 5.1      PERCENTAGE OF DATA UNAVAILABLE - 1.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14064		CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	2	5	3	5	3	4	7	7	6	6	8	8	3	3	4	2	1	3
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
4	0	0	0	0	0	0	1	1	1	0	2	***	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	2	3	7	5	10	5	4	7	1	1	2	11	4	1	1	0	0	0	3
8	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	4	2	1	2	0	0	0	0	1
10	0	0	0	0	0	0	0	1	3	3	4	10	9	11	15	11	1	1	2	1	0	1	1	0	3
11	0	0	0	0	0	0	0	0	0	0	***	1	1	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	6	1	1	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	0	0	1	2	4	8	***	3	6	8	19	28	10	3	3	1	2	11	14	3	2	6
15	2	14	17	12	11	6	3	3	***	1	2	2	1	0	0	0	1	0	1	0	0	0	0	0	3
16	0	0	0	0	0	0	0	0	0	0	0	0	0	3	23	15	4	2	7	6	2	0	1	0	3
17	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	1	4	6	4	13	7	11	5	3	2	2	1	2	1	4	3
19	5	1	1	1	0	1	2	2	1	1	1	2	2	2	1	1	1	3	2	1	1	1	1	1	1
20	1	1	1	1	3	7	11	2	1	1	0	0	1	1	1	2	5	21	15	19	12	13	2	1	5
21	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	2	1	1	4	2	1	1	1	1	1	1	1	3	1	5	12	6	2
25	5	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	0	1	0	0	0	1	1	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	1	5	3	1	1	1	3	10	1	1	2	0	0	0	0	1
30	1	0	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	1	0	0	0	1	0	0	0	0	1	0	1	2	1	6	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	1	3	3	2	2	2	2	1	1	2	1	1	1.3

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14064		CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	1	1	1	2	1	0	0	***	0	1	1	0	0	0	0	1	1	0	0	1	0	1
2	2	0	0	0	0	0	***	0	2	3	2	7	10	2	1	8	3	0	0	0	0	0	0	0	2
3	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0	1	0	1	2	1	1	1	1	1	1	1	1	1	0	1	1	1
5	1	1	1	1	1	1	3	4	***	1	1	2	2	7	4	2	5	6	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3	3	1	1	1	1	1	2	1
7	1	3	1	0	1	1	2	4	2	9	11	2	0	0	0	0	0	0	0	0	1	1	0	0	2
8	0	0	0	0	0	0	0	1	1	0	0	1	1	4	0	1	0	0	0	0	0	0	0	1	0
9	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	***	0	1	8	***	1	1	***	3	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	5	3	1	0	0	1	1	1	2	0	3	2	1	0	0
14	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	8	2	1	1	0	***	1	0	0	0	0	0	0	0	0	0	0	1
19	2	1	1	1	1	2	1	1	1	0	1	2	2	3	3	4	4	1	1	1	1	1	1	2	2
20	1	1	3	3	1	1	1	1	2	***	2	3	10	7	2	2	1	***	***	1	1	1	1	1	1
21	1	1	***	0	1	1	1	1	1	1	1	1	1	1	2	2	3	1	0	0	1	1	1	0	1
22	1	1	1	0	0	0	1	0	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	5	4	3	2	1	1	1	0	0	0	0	1	1	0	1
25	0	0	0	0	0	0	0	0	2	1	2	2	2	2	3	2	8	4	1	2	6	4	1	2	2
26	3	3	2	1	1	0	1	1	0	0	0	1	1	1	1	1	1	4	2	3	1	1	1	1	1
27	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	1	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	3	3	1	1	0	1	1	1
29	1	1	1	1	1	1	1	1	1	1	2	2	1	2	3	13	12	2	1	2	1	2	2	2	2
30	1	1	2	7	3	1	0	0	2	3	3	2	1	2	4	***	5	4	4	6	3	5	4	3	3
31	3	1	1	1	1	1	0	0	1	1	1	1	2	4	5	8	6	1	1	1	5	9	7	2	3
MEAN	1	1	1	1	0	0	1	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 14064											CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA											MONTH - SEP 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	6	6	4	3	4	6	7	2	1	1	1	2	2	2	1	1	1	0	0	0	0	0	0	1	2	
2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	1	1	0	0	3	5	9	16	9	2	3	3	1	0	0	0	0	
4	0	0	0	0	0	0	0	1	1	5	2	2	2	3	10	4	4	3	4	-	6	2	1	1	2	
5	1	1	1	0	1	1	0	1	2	0	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	
6	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	
7	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	1	2	3	8	6	8	10	5	4	3	3	2	2	2	1	1	3	3	
9	10	4	3	6	10	10	7	2	8	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	1	3	4	1	0	0	0	0	0	0	0	0	1	0	1	
13	1	1	1	1	0	0	0	0	1	1	1	0	0	0	1	1	1	3	9	8	7	4	1	1	2	
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	2	2	2	1	4	5	6	6	6	10	9	9	10	3	1	1	1	1	1	3	
17	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	1	1	0	0	0	3	4	1	7	9	8	5	1	1	1	1	1	1	2	
19	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	2	8	10	8	8	6	5	4	3	2	6	....	6	3	2	1	1	1	1	1	1	1	1	1	4	
21	2	1	1	2	3	1	1	2	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	
22	1	0	1	1	1	1	2	2	2	1	1	2	1	1	5	4	2	1	1	1	1	0	0	0	1	
23	1	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	9	5	1	1	1	1	1	0	0	1	
25	0	0	0	0	1	1	1	1	1	1	1	1	2	4	5	4	2	1	1	1	1	1	1	1	1	
26	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	1	2	-	0	1	3	8	5	3	2	7	5	4	3	1	1	0	0	0	1	1	2	
28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
29	0	1	1	1	1	1	1	1	1	1	1	1	9	13	11	5	5	9	2	1	1	1	2	2	3	
30	2	1	2	3	8	5	3	6	2	4	3	4	5	5	7	-	6	4	1	1	1	1	1	1	3	
MEAN	1	1	1	1	1	1	1	1	1	2	1	1	2	2	3	2	2	2	1	1	1	1	1	1	1.3	

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 14064														CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN												
1	5	10	3	2	3	17	21	17	8	6	5	5	5	5	8	8	11	16	23	14	1	1	1	0	8												
2	1	0	0	0	0	1	0	0	1	0	1	1	1	1	1	-	1	1	0	1	0	1	0	1	1												
3	1	***	0	0	0	0	0	1	2	3	1	1	1	3	0	0	0	0	0	0	0	0	0	0	1												
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	8	7	-	4	3	5	6	1	1	2												
7	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	6	10	15	2												
8	12	5	2	1	3	3	2	1	1	-	-	1	2	2	2	1	1	1	1	0	0	0	0	0	2												
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0												
10	0	0	0	0	1	1	1	1	0	0	1	6	2	2	5	10	10	5	2	1	1	1	0	0	2												
11	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0												
12	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0												
13	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0												
14	0	0	0	0	0	1	1	2	1	0	2	1	1	1	1	1	1	1	0	1	0	0	0	1	1												
15	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1												
16	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	4	5	4	3	2	1	1	1	1	2												
17	1	2	3	3	1	1	1	2	2	2	9	14	10	3	5	3	6	14	7	8	4	7	5	1	5												
18	1	1	2	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	0	0	1	0	1												
19	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	1	0	1												
20	1	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1	2	1	1												
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
22	0	0	0	0	0	1	2	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
23	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0												
24	0	0	0	0	0	0	0	0	0	-	2	3	3	3	3	2	1	1	2	2	1	1	1	1	1												
25	1	1	1	1	6	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1												
26	0	0	1	0	0	0	1	0	0	0	2	1	1	0	0	0	0	0	0	1	1	1	0	0	0												
27	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	1	1	1	1	1	1	1	2	0	1												
28	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0												
29	2	2	2	2	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1												
30	0	1	0	1	1	1	1	1	2	3	1	1	1	2	4	4	2	7	2	2	1	1	0	1	2												
31	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0												
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1.1												

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	3	4	4	3	2	2	1	1	0	0	1	2	3	4	4	4	4	1	2	2
2	0	0	2	1	0	0	0	2	3	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1
3	0	0	1	1	1	2	3	3	2	3	16	15	12	11	13	4	7	8	22	16	11	9	4	2	7
4	2	4	3	2	1	0	0	0	0	1	0	0	0	1	0	1	1	2	1	0	0	0	0	1	1
5	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
6	0	0	1	0	0	0	1	2	2	4	3	2	2	0	0	1	2	2	2	2	2	1	1	1	1
7	1	1	1	1	1	2	3	7	9	6	2	3	4	3	2	2	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1
9	2	2	2	2	7	8	3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2
10	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	0	1	1	0	1	1	0	1	1
11	1	0	1	0	1	1	1	7	0	1	0	0	0	1	1	1	0	0	0	1	1	1	0	1	1
12	0	0	0	1	1	0	0	0	1	0	1	0	1	1	1	1	2	1	2	2	2	2	2	2	2
13	2	5	7	14	12	4	6	5	4	4	3	3	3	7	16	9	5	3	3	3	2	2	2	2	5
14	2	2	1	2	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1	0	0	0	1	1
15	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	1	0	0	0	1	0	0	1	0
16	0	0	1	3	2	2	1	2	4	3	2	0	1	0	0	0	1	1	1	1	1	0	1	0	1
17	0	0	0	1	1	1	1	0	1	1	1	0	1	1	1	2	2	1	1	0	0	0	1	2	1
18	1	1	1	0	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	0	1	1	1	1	1
19	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
20	1	2	2	2	2	4	6	7	3	4	14	17	8	6	7	13	13	16	16	18	16	13	14	20	9
21	21	12	5	3	3	2	1	1	1	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	3
22	1	1	1	1	1	1	1	2	3	11	12	10	5	8	11	16	18	17	21	20	16	12	15	13	9
23	11	14	14	15	14	8	4	4	7	17	11	5	7	10	3	4	5	7	2	2	7	4	2	1	7
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	1	1	0	1	0	1	0	0	1	1	0	0	1	1	1	1	1	2	1	1	1	1
26	1	1	1	1	2	1	1	1	1	1	1	2	2	2	1	3	10	3	2	2	2	2	2	1	2
27	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
28	10	4	3	4	3	2	4	5	3	3	3	4	3	3	3	2	2	3	4	3	2	1	1	0	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
30	1	0	1	1	1	1	1	0	1	1	2	6	16	10	2	2	17	16	11	11	8	4	3	2	5
MEAN	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3	3	3	3	3	3	2	2	2	2.4

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
2	1	1	1	0	1	1	3	8	2	0	1	0	1	0	0	1	0	1	1	1	1	1	0	0	1
3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
4	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	0	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	3	2	4	6	7	3	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
10	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
11	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
12	1	0	1	1	1	2	2	1	1	2	4	9	3	2	2	1	1	1	1	1	1	1	1	1	2
13	2	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	2	1	1	1	1	0	1	1	1
14	1	1	1	1	2	2	2	2	1	0	0	0	1	0	1	0	1	1	1	2	1	0	1	1	1
15	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	5	3	2	2	2	2	2	1	1	2
16	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1
17	1	1	2	2	1	1	1	1	2	2	5	10	11	19	12	12	14	6	13	13	4	3	3	6	6
18	2	2	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	0	0	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1
20	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	2	3	3	3	2	4	7	9	8	2	2	2	2	3	5	6	6	7	6	4	4
23	5	6	10	12	9	6	8	6	5	4	5	3	3	3	2	4	4	5	3	3	2	2	2	2	5
24	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	2	8	8	11	6	7	7	8	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	3	3	3	5	4	4	4	4	8	8	7	18	15	12	8	10	19	15	6	5	5	6	6	6	8
29	5	5	5	4	4	4	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
31	1	2	3	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	2
MEAN	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	1.0	3	11
FEB	29	1.1	6	13
MAR	31	1.8	12	35
APR	30	0.9	4	17
MAY	31	1.0	5	15
JUN	30	1.2	5	22
JUL	31	1.3	6	28
AUG	31	1.0	3	13
SEP	30	1.3	4	18
OCT	31	1.1	8	23
NOV	30	2.4	9	22
DEC	31	1.9	8	19
YEAR	364	1.3	12	35

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	691	19	2	0	0	0	0	0	712
FEB	655	14	15	0	0	0	0	0	684
MAR	663	48	19	2	0	4	0	0	736
APR	684	20	1	1	0	0	0	0	706
MAY	709	18	3	0	0	0	0	0	730
JUN	640	27	5	2	1	0	0	0	675
JUL	677	27	17	3	2	1	0	0	727
AUG	704	19	3	0	0	0	0	0	726
SEP	665	47	2	1	0	0	0	0	715
OCT	706	21	6	3	2	0	0	0	738
NOV	635	33	27	18	3	0	0	0	716
DEC	672	34	10	3	0	0	0	0	719
YEAR	8101	327	110	33	8	5	0	0	8584

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.7	0	0.0	0.0	0.2	0.8	2.7	5.5	9.7	12.4	35	1.3



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - SW NO 14902 286 PAGET ST. CORUNNA											MONTH - JAN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	14	8	4	3	4	3	5	10	16	10	10	15	3	1	1	1	1	1	1	1	0	0	0	5
2	1	0	0	0	1	1	1	1	0	0	0	0	1	2	3	2	4	5	4	4	2	1	3	5	4
3	9	4	6	7	9	10	8	2	2	2	1	3	9	8	2	1	1	1	0	0	1	1	0	0	4
4	0	0	0	0	1	1	1	1	2	1	2	2	2	1	1	0	0	0	1	1	1	1	2	2	1
5	1	0	0	1	1	1	1	1	0	0	1	0	0	1	1	1	1	2	2	1	1	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	5	3	2	1	0	0	0	1	2	4	4	3	1
7	2	3	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0
9	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	2	2	2	1	2	2	2	2	2	2	3	4	5	5	4	4	4	4	4	3	2	3
11	3	2	2	1	1	0	1	11	6	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
13	0	1	1	0	0	0	0	2	3	3	3	3	4	4	4	4	3	2	2	2	2	2	3	4	2
14	1	1	1	2	2	1	1	1	1	1	1	1	4	4	5	5	2	2	2	2	1	1	1	1	2
15	1	1	1	0	0	0	0	1	2	2	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1
16	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	3	3	4	1
17	3	3	2	2	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20	0	0	0	0	0	0	0	0	0	1	4	3	3	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
22	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	2	1	1	1	8	7	8	2	2	1	1	1	0	0	2
25	0	0	0	0	0	0	0	0	0	1	1	4	4	4	4	5	2	2	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	3	1	1	1	0	1	1	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
29	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1
30	1	1	1	1	4	4	8	8	1	1	4	2	3	2	4	1	0	0	1	0	0	0	0	0	2
31	0	0	1	1	1	1	2	4	3	2	2	2	2	2	4	5	5	5	5	2	4	4	4	4	3
MEAN	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 14902 286 PAGET ST. CORUNNA											MONTH - FEB 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	****	****	4	5	6	5	5	3	4	4	4	4	3	2	4	3	2	1	1	1	1	2	1	1	3	
2	1	1	1	1	2	1	1	1	1	2	2	1	3	3	2	2	2	2	1	1	1	1	2	1	2	
3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	2	1	1	1	2	2	1	2	3	3	2	2	3	2	1	1	1	1	1	1	2	
5	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	3	4	1	1	1	1	1	1	1	1	
6	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	1	1	1	2	***	1	6	1	2	3	1	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	1	1	1	1	1	1	4	2	2	2	1	1	1	1	1	1	1	1	1	
9	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	2	0	0	0	0	1	1	1	0	1	
10	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1	2	4	1	2	1	1	1	1	1	1	
11	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	1	
12	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	
13	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	4	5	6	5	4	4	3	2	2	2	
14	3	3	2	2	2	2	3	3	2	3	***	4	2	2	2	3	4	1	1	1	1	1	1	1	2	
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	2	2	2	5	4	3	4	2	1	1	1	1	2	3	3	2	1	1	1	1	1	2	1	1	2	
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2	2	2	2	1	
18	2	1	1	1	1	2	2	2	2	3	4	3	3	3	3	4	4	4	3	3	3	4	4	4	3	
19	3	4	4	4	4	3	3	3	3	4	4	4	4	4	4	3	3	3	2	2	2	2	2	***	3	
20	- DATA INVALID -																									
21	- DATA INVALID -																									
22	- DATA INVALID -																									
23	- DATA INVALID -																									
24	- DATA INVALID -																									
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	3	2	4	4	3	3	*****
26	10	7	8	4	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	2
27	1	1	1	1	1	1	1	1	1	0	0	0	0	4	4	0	1	0	1	1	0	1	1	0	1	
28	3	1	0	3	2	0	0	0	2	0	0	0	0	1	***	0	2	1	3	2	1	1	1	1	1	
29	7	3	2	2	5	2	3	2	2	4	6	7	7	4	3	6	5	7	7	5	1	1	1	1	1	4
MEAN	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1.6

PERCENTAGE OF DATA VALID - 79.3

PERCENTAGE OF DATA INVALID - 20.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14902 286 PAGET ST. CORUNNA												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	4	4	3	3	4	4	3	2	2	4	3	3	1	1	2	1	1	2
2	1	1	2	2	2	1	2	1	1	2	1	0	1	3	1	1	0	0	1	0	1	1	1	1	2
3	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	4	3	3	3	3	2	2	2	2
4	2	3	3	2	2	2	2	2	3	3	3	3	3	4	3	5	4	3	2	1	1	1	1	2	3
5	2	2	0	0	0	0	0	0	1	1	1	3	3	3	3	2	1	1	1	1	0	0	0	0	1
6	0	1	1	1	1	1	1	1	1	1	1	1	2	2	7	3	6	2	2	1	1	0	0	0	2
7	0	0	1	1	1	1	1	1	1	1	1	1	1	2	4	8	3	3	3	2	1	0	0	0	2
8	1	1	1	1	1	1	1	1	1	2	5	4	3	3	2	2	2	1	1	5	3	0	0	0	2
9	0	0	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1
10	2	2	2	1	1	2	2	3	3	4	3	3	4	4	3	2	0	0	0	0	0	0	0	0	2
11	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	2	2	1	1	1	0	1	1
12	1	5	1	1	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	2	2	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
14	2	2	3	2	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
15	1	0	0	0	0	1	3	3	2	4	4	7	7	4	2	2	3	1	0	0	0	0	0	0	2
16	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	1	1	1	0	0	0	0	4	1	1
17	3	0	0	1	0	0	2	1	0	0	0	0	1	1	1	0	0	9	8	3	1	0	0	0	1
18	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	2	2	2	2	2	1	2	2	3	4	4	4	10	15	12	3	0	1	2	2	2	2	2	3
20	1	1	1	1	1	1	2	2	3	3	3	4	3	14	14	14	4	4	3	1	0	0	0	0	2
21	0	0	2	3	1	1	4	14	14	9	9	7	3	1	1	1	1	1	1	1	1	1	2	2	3
22	1	1	1	1	1	5	6	12	10	7	6	6	6	6	2	1	11	6	5	0	0	0	1	1	4
23	0	0	0	0	0	0	0	0	1	1	2	4	4	3	2	2	1	1	2	1	1	1	1	1	1
24	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	5	7	5	4	4	4	6	4	8	4
25	8	11	11	11	8	6	8	9	6	6	6	8	3	1	1	2	2	2	2	1	1	1	1	1	5
26	1	1	1	1	1	1	1	1	1	5	12	14	9	8	14	17	6	1	1	1	1	1	1	1	4
27	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	3	13	10	5	4	3	2	2	3
28	1	1	1	1	2	2	1	1	2	3	3	3	4	7	7	6	6	6	5	4	3	3	2	3	3
29	3	3	3	3	4	5	5	6	6	7	8	4	3	5	2	5	5	4	4	7	6	3	5	6	5
30	6	5	3	1	1	3	2	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1
31	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	2	1	3	3	1	1	2	4	4	1
MEAN	1	2	2	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	1	1	1	2	2.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14902 286 PAGET ST. CORUNNA												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	1	1	0	1	1	0	2
2	0	0	0	0	0	1	1	1	1	1	2	4	5	9	4	5	16	12	10	8	13	18	17	7	6
3	7	2	1	1	1	1	1	2	2	3	2	1	1	1	1	2	1	1	2	5	1	2	4	4	2
4	1	1	2	2	2	2	3	3	2	1	1	1	0	1	2	2	2	1	1	0	0	1	1	1	1
5	1	1	0	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	1	1	1	1	1	1	2	3	3	3	4	7	8	5	1	1	0	0	0	0	0	2
7	0	0	0	0	0	0	1	2	3	6	4	3	4	0	1	0	0	0	1	2	1	1	1	1	1
8	2	2	2	2	2	3	3	3	3	1	1	1	2	2	1	1	1	1	2	0	4	1	0	1	2
9	3	1	1	1	1	1	1	1	2	1	1	1	2	10	5	3	2	2	2	2	3	3	2	2	2
10	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	3	2	2	1	1	2	1
12	2	1	1	1	2	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	2	5	5	5	4	3	4	2	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
15	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	3	4	5	2	8	7	6	8	3	3
16	4	2	3	4	9	4	1	5	2	4	3	7	5	4	5	6	6	7	5	1	1	0	0	0	4
17	0	0	0	0	0	0	0	1	1	3	5	4	5	3	2	2	3	2	2	0	0	0	0	0	4
18	1	1	1	2	2	2	2	2	5	10	10	12	4	8	5	12	6	0	0	0	0	0	0	0	4
19	0	1	1	1	1	1	1	1	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1
20	1	0	0	0	0	1	0	5	5	9	13	14	9	7	13	12	9	5	3	3	3	1	1	2	5
21	2	4	3	2	2	3	4	5	6	9	25	15	6	5	4	1	1	1	1	2	2	3	3	2	5
22	3	3	3	3	3	4	4	5	5	5	9	7	7	7	7	7	7	7	7	7	7	7	7	7	7
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	3	2	5	10	10	5	4	7	5	5	4	3	6	9
25	1	1	3	4	9	8	16	12	5	7	8	7	7	6	4	6	6	7	6	5	4	2	1	3	6
26	3	3	2	2	1	1	2	5	7	8	9	8	8	4	4	9	8	6	4	3	2	8	7	5	5
27	6	4	4	4	5	5	6	9	12	12	14	14	12	7	7	6	8	6	2	1	4	7	10	4	7
28	4	2	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	4	4	3	2	3	2	1	3
29	1	1	1	1	2	2	2	2	2	3	2	3	3	3	6	7	6	5	9	6	4	3	3	4	3
30	3	3	2	2	2	1	1	1	2	5	7	11	7	7	4	3	3	2	2	2	1	2	4	3	3
MEAN	2	2	1	2	2	2	2	3	3	4	5	5	4	4	4	4	4	3	3	2	2	3	3	2	2.8

PERCENTAGE OF DATA VALID - 95.1

PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14902 286 PAGET ST. CORUNNA											MONTH - MAY 80													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	5	9	5	5	4	****	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
2											-	-	-	-	-	-	-	-	-	-	-	-	-	-
3											-	-	-	-	-	-	-	-	-	-	-	-	-	-
4											-	-	-	-	-	-	-	-	-	-	-	-	-	-
5											-	-	-	-	-	-	-	-	-	-	-	-	-	-
6											-	-	-	-	-	-	-	-	-	-	-	-	-	-
7											-	-	-	-	-	-	-	-	-	-	-	-	-	-
8											-	-	-	-	-	-	-	-	-	-	-	-	-	-
9											-	-	-	-	-	-	-	-	-	-	-	-	-	-
10											-	-	-	-	-	-	-	-	-	-	-	-	-	-
11											-	-	-	-	-	-	-	-	-	-	-	-	-	-
12											-	-	-	-	-	-	-	-	-	-	-	-	-	-
13											-	-	-	-	-	-	-	-	-	-	-	-	-	-
14											-	-	-	-	-	-	-	-	-	-	-	-	-	-
15											-	-	-	-	-	-	-	-	-	-	-	-	-	-
16											-	-	-	-	-	-	-	-	-	-	-	-	-	-
17											-	-	-	-	-	-	-	-	-	-	-	-	-	-
18											-	-	-	-	-	-	-	-	-	-	-	-	-	-
19											-	-	-	-	-	-	-	-	-	-	-	-	-	-
20											-	-	-	-	-	-	-	-	-	-	-	-	-	-
21											-	-	-	-	-	-	-	-	-	-	-	-	-	-
22											-	-	-	-	-	-	-	-	-	-	-	-	-	-
23											-	-	-	-	-	-	-	-	-	-	-	-	-	-
24											-	-	-	-	-	-	-	-	-	-	-	-	-	-
25											-	-	-	-	-	-	-	-	-	-	-	-	-	-
26											-	-	-	-	-	-	-	-	-	-	-	-	-	-
27											-	-	-	-	-	-	-	-	-	-	-	-	-	-
28											-	-	-	-	-	-	-	-	-	-	-	-	-	-
29											-	-	-	-	-	-	-	-	-	-	-	-	-	-
30											-	-	-	-	-	-	-	-	-	-	-	-	-	-
31											-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	5	4	4	5	9	5	5	4	****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	5.1

PERCENTAGE OF DATA VALID - 1.1 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 98.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	5	16
FEB	23	1.6	4	10
MAR	31	2.1	5	17
APR	28	2.8	7	25
MAY	0	5.1	****	9
YEAR	113	2.0	7	25



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	715	18	3	2	0	0	0	0	736
FEB	530	13	0	0	0	0	0	0	552
MAR	672	48	14	1	0	0	0	0	735
APR	588	76	16	4	1	0	0	0	685
MAY	7	1	0	0	0	0	0	0	8
YEAR	2521	156	33	7	1	0	0	0	2718

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
74.5	0	0.0	0.2	0.7	1.7	4.1	6.3	9.1	11.7	25	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY LONDON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
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25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 33.3

PERCENTAGE OF DATA INVALID - 66.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*..\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 15001		WESTERN FAIR GROUNDS KING/RECTORY LONDON												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	3	1	1	1	2	2	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	1	1	2	2	1	3	2	1	-	-	2	2	2	2	1	0	0
6	0	0	0	1	3	3	3	2	2	***	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
7	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1
8	2	2	2	2	2	2	3	3	3	***	2	2	2	2	2	1	1	1	1	0	1	0	1	1	2
9	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0	1	1
10	1	1	1	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
11	1	1	2	1	2	2	2	2	2	2	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	3	2	2	2	1
14	3	4	4	3	3	3	3	3	3	2	1	1	1	1	0	1	0	0	0	0	0	1	0	0	2
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	4	***	1	1	1	***	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
19	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
21	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	***	***	1	1	1	***	0	1	1	0	1	0	0	0	0	0
23	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1
24	0	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	1	0	0	1
25	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1
26	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	1	2	0	1	1	1	0	1	1	1
27	1	1	1	1	1	1	***	2	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
28	1	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1
29	1	1	1	2	2	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 15001		WESTERN FAIR GROUNDS KING/RECTORY LONDON												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	0	0	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
2	0	0	1	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	1	1	0	0	1	1	2	1	1	1	1	1	2	***	1	1	1	2	2	1	1	1
4	1	1	2	2	2	2	2	2	2	***	***	***	***	***	2	2	2	2	2	1	1	2	1	1	2
5	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	***	***	2	1	1	1	1	1	1	0	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2	1	1	1	2
10	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	2	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
17	1	1	1	1	1	1	0	0	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	1
18	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
19	0	0	1	1	1	0	1	0	0	1	1	1	1	2	1	1	2	2	1	1	1	2	2	2	1
20	2	2	1	1	1	1	1	1	0	1	1	2	1	***	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	1	0	0
24	1	2	2	1	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	1	2	1	1	0	1
25	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	1	1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	1	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.6

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY LONDON																MONTH - APR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	2	2	2	2	1	1	0	0	0	0	1
2	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
3	0	0	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
7	0	0	1	0	0	0	0	0	2	2	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	3	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0
11	1	1	1	0	1	0	0	0	1	1	0	0	0	1	1	1	0	0	1	1	1	1	0	0	1
12	0	0	0	1	1	1	1	1	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	1	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	1
18	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1
19	1	1	0	0	0	0	0	0	1	2	3	3	3	2	1	1	2	2	2	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	0	1
21	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1
23	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	1	1	0	0
28	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
30	2	3	2	2	1	1	2	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY LONDON																MONTH - MAY 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	1
4	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
5	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
6	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0
18	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
22	0	0	0	0	0	4	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
24	0	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	1	0	1	0	2	1	1	1	1	1	1	1	1	2	2	1	0	0	0	0	1
30	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0
31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	2	3	2	2	2	2	2	2	2	1	3	4	6	5	5	5	6	7	6	5	3
14	4	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0
15	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	1	1	0	1	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	3	3	3	0	1	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	0	0	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2	1	2	2	2	2	1	1	1	1	1
24	0	0	0	0	1	0	1	1	1	3	3	3	2	2	2	2	3	2	2	2	1	1	1	1	1
25	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 94.3

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001															MONTH - JUL 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	2	1	2	2	1	1	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 90.7

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - AUG 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	1	2	1	1
8	1	1	1	1	2	1	1	1	2	2	2	2	1	0	0	0	0	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	2	2	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	1	2	3	2	3	1	0	1	1	1	1	1	1	1	1	1	1	1
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	3	2	2	2	3	3	3	3	2	1
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	2	3	3	4	3	2	2	3	2	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	0
14	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
16	0	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
17	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0
19	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	0	0	0	0	0	0	1	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON														MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
2	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
8	1	1	1	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	1	1	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
28	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	6	1	1	1	2	4	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	-	0	0	0	0	0	-	-	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
3	-	-	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
9	-	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
10	-	-	0	-	-	0	-	-	-	0	0	.....													0
11	- DATA INVALID -																								
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-	0	0	0	0	0	0	0	0	0	0	0	.....
13	1	1	0	0	0	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	.....	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	.....	0	0	0	0	1	1	1	0	0
18	.....	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
19	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0
20	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	2	1
21	2	2	2	2	2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	1	0	0	0	0	0	1	1	2	3	1	1	1	1	1	1	0	0	0	0	0	1
23	0	1	1	1	1	5	5	5	5	3	2	2	2	2	1	1	1	1	1	1	0	0	0	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1
25	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0
27	-	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	1	0	0	0	0	1	0	0	2	1	0	1	1	1	1	1	1	1	0	1	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 3.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 15001		WESTERN FAIR GROUNDS KING/RECTORY LONDON												MONTH - DEC 80										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	3	1	0	0	0	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	0	1	5	1	1	2	3	3	2	1	0	0	0	0	0	1
6	0	1	1	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
8	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1
9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
11	0	0	0	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	3	2	2	2	2	2	1	2	1	1	1	1	2	2	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1
15	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	2	2	2	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
18	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	2
19	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
21	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1	1	2	1	2	2	2	1
22	1	1	1	1	1	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	3	5	7	7	2
23	6	5	5	4	3	3	3	3	3	1	3	3	2	2	2	2	2	2	2	3	3	2	2	2	3
24	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	1
26	2	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	3	5	5	5	5	5	3	4	5	5	4	4	4	5	3
29	5	7	6	5	5	4	5	4	4	4	1	1	1	1	1	1	2	1	1	1	1	1	1	1	3
30	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1
31	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION			
STATION - SW NO 15001		WESTERN FAIR GROUNDS KING/RECTORY LONDON			
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	10	1.1	2	4	
FEB	29	0.9	2	6	
MAR	31	0.6	2	3	
APR	30	0.4	1	3	
MAY	31	0.3	1	4	
JUN	30	0.4	3	7	
JUL	31	0.4	1	2	
AUG	30	0.6	2	4	
SEP	30	0.3	1	4	
OCT	31	0.2	1	6	
NOV	27	0.4	2	5	
DEC	31	1.1	3	7	
YEAR	341	0.5	3	7	



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY LONDON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	248	0	0	0	0	0	0	0	248
FEB	683	1	0	0	0	0	0	0	684
MAR	722	0	0	0	0	0	0	0	722
APR	707	0	0	0	0	0	0	0	707
MAY	724	0	0	0	0	0	0	0	724
JUN	675	4	0	0	0	0	0	0	679
JUL	734	0	0	0	0	0	0	0	734
AUG	718	0	0	0	0	0	0	0	718
SEP	704	0	0	0	0	0	0	0	704
OCT	736	1	0	0	0	0	0	0	737
NOV	644	0	0	0	0	0	0	0	644
DEC	712	5	0	0	0	0	0	0	717
YEAR	8007	11	0	0	0	0	0	0	8018

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.3	0	0.0	0.0	0.0	0.3	0.9	1.5	1.9	2.7	7	0.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18007

CONCESSION RD. 2, LOT A TIVERTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
31	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 18007 CONCESSION RD. 2. LOT A TIVERTON														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	0	1	1	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	1	1	1	1	2	5	4	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
8	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	1
9	1	1	1	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	0
19	2	1	1	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
28	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	3	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 18007 CONCESSION RD. 2. LOT A TIVERTON														MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	3	2	5	7	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	1	1	0	0	0	0	0	0	1	1	...	...	2	2	1	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
12	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0
13	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	0	0	0
25	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 18007 CONCESSION RD. 2. LOT A TIVERTON																MONTH - APR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 70.6 PERCENTAGE OF DATA INVALID - 29.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 18007 CONCESSION RD. 2. LOT A TIVERTON																MONTH - MAY 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 52.8 PERCENTAGE OF DATA INVALID - 47.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 18007 CONCESSION RD. 2, LOT A TIVERTON														MONTH - JUN 80										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5		0	0	0	1	0	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1
6																										
7																										
8																										
9																										
10																										
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	3	2	1	2	1	1	1	1	1	1
14		1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0																				
22																										
23																										
24																										
25																										
26																	0	0	0	0	0	0	0	1	1	0
27		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
30		0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	1	0	0	1	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
PERCENTAGE OF DATA VALID - 82.5		PERCENTAGE OF DATA INVALID - 37.5														PERCENTAGE OF DATA UNAVAILABLE - 0.0										

PERCENTAGE OF DATA VALID - 62.5 PERCENTAGE OF DATA INVALID - 37.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 18007 CONCESSION RD. 2, LOT A TIVERTON														MONTH - JUL 80										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1
2		1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	1	1	0	0	0
3		0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	2	2	0	1	0	0	0	0	0	0
6		0	0	1	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	1
7		0	0	0	0	0	0	0	0	0	1	2	2	2	3	1	1	0	1	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	1	0	1	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	1	1	1	...	0	1	0	0	0	0	0	0	1	2	3	1
10		0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	2	3	1	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	8	4	3	3	0	0	0	0	0	0	0	0	0	0
13		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	1	1	1	2	2	...	...	1	1	1	1	0	0	0	0	1	1
15		1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	1	1	0	1	1	1	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	...	...	0
21		- DATA INVALID -																								
22		- DATA INVALID -																								
23		- DATA INVALID -																								
24		- DATA INVALID -																								
25		- DATA INVALID -																								
26		- DATA INVALID -																								
27		- DATA INVALID -																								
28		- DATA INVALID -																								
29		- DATA INVALID -																								
30		- DATA INVALID -																								
31		- DATA INVALID -																								
MEAN		0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 63.7 PERCENTAGE OF DATA INVALID - 33.5 PERCENTAGE OF DATA UNAVAILABLE - 2.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 18007 CONCESSION RD. 2. LOT A TIVERTON																MONTH - AUG 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 58.6

PERCENTAGE OF DATA INVALID - 41.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 18007 CONCESSION RD. 2. LOT A TIVERTON																MONTH - SEP 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
20	0	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0
30	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	2	4	2	2	2	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 18007		CONCESSION RD. 2. LOT A TIVERTON												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	----	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	2	2	1
9	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
11	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	0	0	1	1	1	1	1	1	1	1	1	1	-----
12	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	1	1	1
17	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1
24	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 18007		CONCESSION RD. 2. LOT A TIVERTON												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	1	2	5	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	1	1	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	0	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0
23	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	3	2	1	1	0	0	1
25	0	2	2	2	3	3	0	0	0	0	0	0	1	3	2	1	2	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 18007 CONCESSION RD. 2, LOT A TIVERTON												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
3	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	2	2	1	2	2	2	2	2
4	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	3	2	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 63.7

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 35.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1990

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18007 CONCESSION RD. 2, LOT A TIVERTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.1	1	1
FEB	29	0.2	1	5
MAR	31	0.2	1	7
APR	21	0.0	0	2
MAY	16	0.2	1	3
JUN	18	0.3	1	3
JUL	20	0.4	1	8
AUG	18	0.0	0	2
SEP	30	0.2	1	4
OCT	30	0.8	2	3
NOV	30	0.2	1	5
DEC	19	0.8	2	3
YEAR	293	0.3	2	8



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18007 CONCESSION RD. 2, LOT A TIVERTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	TOTAL
JAN	741	0	0	0	0	0	0	0	0	0	0	741
FEB	691	0	0	0	0	0	0	0	0	0	0	691
MAR	740	1	0	0	0	0	0	0	0	0	0	741
APR	508	0	0	0	0	0	0	0	0	0	0	508
MAY	393	0	0	0	0	0	0	0	0	0	0	393
JUN	450	0	0	0	0	0	0	0	0	0	0	450
JUL	472	2	0	0	0	0	0	0	0	0	0	474
AUG	436	0	0	0	0	0	0	0	0	0	0	436
SEP	714	0	0	0	0	0	0	0	0	0	0	714
OCT	724	0	0	0	0	0	0	0	0	0	0	724
NOV	719	0	0	0	0	0	0	0	0	0	0	719
DEC	474	0	0	0	0	0	0	0	0	0	0	474
YEAR	7062	3	0	0	0	0	0	0	0	0	0	7065

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80.4	0	0.0	0.0	0.0	0.0	0.7	0.9	1.4	1.8	8	0.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006

POST OFFICE BRANTFORD

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0
7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
10	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	1
11	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	2	2	2	1	1	1	1	1	1	1
14	1	1	1	1	2	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
17	2	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0
28	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
29	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 21006 POST OFFICE BRANTFORD												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1
2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1
4	3	2	1	1	1	1	0	0	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----
5	DATA UNAVAILABLE																								
6	DATA UNAVAILABLE																								
7	DATA UNAVAILABLE																								
8	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	3	3	4	4	7	6	5	4	5	5	-----
9	5	5	5	5	5	4	4	3	3	2	3	3	1	1	1	2	2	3	3	4	4	3	3	3	3
10	2	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2
11	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	----
12	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1
13	1	1	2	2	2	2	2	2	2	----	2	1	0	1	1	1	1	2	2	3	3	3	2	2	2
14	1	2	2	3	3	3	3	4	4	4	4	2	1	0	0	0	0	1	0	0	1	1	1	1	2
15	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1
16	1	1	1	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	1
18	1	1	1	1	1	2	1	1	1	1	----	1	1	2	2	2	1	1	1	2	2	2	2	2	1
19	2	3	5	5	4	3	3	4	4	3	3	2	1	1	2	2	2	3	3	3	3	3	4	3	3
20	2	2	2	2	2	2	3	4	4	3	3	3	2	2	1	1	2	2	2	2	1	1	1	1	2
21	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	1	0	2	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 85.1

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 13.6

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 21006 POST OFFICE BRANTFORD												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
2	1	1	1	2	1	2	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1
3	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0
4	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
5	1	1	0	0	1	1	1	1	1	1	2	3	2	1	1	1	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	1	0	0	0	1
7	1	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	1	1	0	0	1	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0
10	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	1	0	0	0
13	0	0	1	1	1	1	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0
14	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	2	1	3	3	2	1	1	2	2	1	1	1	1	1	1	0	0	1	1	1	1	1
17	1	0	0	0	0	1	1	2	1	1	1	----	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	0
20	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
24	0	0	1	1	1	1	1	1	1	1	----	1	1	0	0	0	0	0	0	1	1	1	1	1	1
25	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	1	1	1	1	1	1	1	2	2	2	1	0	0	0	0	0	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-----
MEAN	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 21006 POST OFFICE BRANTFORD										MONTH - APR 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA UNAVAILABLE -																								
2	- DATA UNAVAILABLE -																								
3	- DATA UNAVAILABLE -																								
4	- DATA UNAVAILABLE -																								
5	- DATA UNAVAILABLE -																								
6	- DATA UNAVAILABLE -																								
7	- DATA UNAVAILABLE -																								
8	- DATA UNAVAILABLE -																								
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	-----
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	1	1	1	2	2	1	1	1	1	1
17	1	1	1	1	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
18	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	2	1	1	1	2	3	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
22	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	3	2
30	0	1	2	3	3	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	2	2	3	2
MEAN	0	0	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1

PERCENTAGE OF DATA VALID - 68.5 PERCENTAGE OF DATA INVALID - 3.2 PERCENTAGE OF DATA UNAVAILABLE - 28.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 21006 POST OFFICE BRANTFORD										MONTH - MAY 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	4	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0
24	1	1	1	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27																									
28																									
29																									
30																									
31																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 81.7

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 17.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006 POST OFFICE BRANTFORD

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.4	1	3
FEB	24	1.3	3	7
MAR	30	0.4	1	5
APR	21	0.5	2	3
MAY	25	0.3	1	4
YEAR	131	0.5	3	7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006 POST OFFICE BRANTFORD

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	731	0	0	0	0	0	0	0	731
FEB	590	2	0	0	0	0	0	0	592
MAR	728	0	0	0	0	0	0	0	728
APR	493	0	0	0	0	0	0	0	493
MAY	608	0	0	0	0	0	0	0	608
YEAR	3150	2	0	0	0	0	0	0	3152

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.4	0	0.0	0.0	0.0	0.3	1.1	1.8	2.5	3.1	7	0.5



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	0	0	0	0	1	1	1	2	1	2	1	***	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	3	3
6	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	2	2	3	3	3	2	2	1	2	2	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1
8	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2	2	1	1	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0	0	0	1	2	2	1
10	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	***	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0
26	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	2	3
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1
31	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	2	2	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	2	2	2	2	1	1	1	1	1	1	2	2	1	2	1	1	1	2	1	1	1	1	1	1
5	1	1	1	1	1	1	0	0	1	0	1	0	0	0	0	1	-	-	0	0	0	0	0	0	0
6	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	***	***	***	***	***	***	***	***	***	***	***	2	1	1	1	1	1	2	2	2	2	2	2	2	2
8	2	3	3	2	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0	0	1
9	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	1	1	1	1
12	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1
13	2	2	1	2	1	2	2	1	1	2	2	1	1	2	1	1	2	2	2	2	3	3	2	2	2
14	1	1	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1
15	0	0	1	0	0	0	0	0	0	0	0	1	1	1	7	5	***	1	1	***	1	1	1	1	1
16	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	4	4	2
19	6	6	7	4	3	3	3	2	4	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3
20	1	1	1	2	2	2	2	2	2	2	2	3	3	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0
22	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	0	0	0	0	1
23	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
24	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0
25	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
27	1	0	0	0	0	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 93.1

PERCENTAGE OF DATA INVALID - 6.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
2	1	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	0	1	0	0	0	0	0	1
3	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	2	1	1	1	2	2	2	2	2	3	3	3	3	4	4	3	3	3	3	2	2	2	2
5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	1	1	1	2	2	0	1
8	0	0	0	0	0	0	0	0	0	0	0	DATA INVALID													
9	DATA INVALID																								
10	DATA INVALID																								
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	1	0
16	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	0	1	0	0	1	0	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	0	0	1
18	0	1	0	0	0	1	0	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	0	0	0	0	0	0	0
20	1	0	1	0	0	2	1	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
25	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	0	0	0	0	1	0	0	1	1	2	2	2	2	1	2	2	5	2	1	1	1	1	1	1
28	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2	1	1	1	1	1	1	1	1	1
29	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
30	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 84.4

PERCENTAGE OF DATA INVALID - 15.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
3	0	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1
7	1	0	0	0	0	0	1	1	2	2	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0
12	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
16	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	3	2	2	1	1	1	1
18	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
19	1	1	0	1	1	1	1	1	2	2	2	3	4	4	3	3	3	3	3	2	2	2	3	3	2
20	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	0	0	0	0	0	0	1	1	2	4	5	5	2	2	5	3	2	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
24	0	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
25	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	4	1	2	2	2	1	0	0	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE







POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	.....
10	1	1	1	1	0	0	1	1	1	2	2	2	2	2	2	3	.....	3	3	3	2	2	2	2	2
11	2	2	2	2	2	2	2	2	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	0	1	1	1
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	2	2	2	2	2
20	2	2	2	2	2	2	2	1	2	2	2	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9	.....	2	1	1	1	1	2	2
27	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
29	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
31	1	0	1	.....	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 63.3

PERCENTAGE OF DATA INVALID - 33.6

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE													MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	0	0	1	1	....	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	
4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
5	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	
6	1	1	1	0	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	0	0	1	1	1	2	2	3	3	3	2	2	2	2	1	1	1	1	
8	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	
9	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	0	0	1	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	1	1	0	....	1	0	1	0	0	1	1	1	1	1	1	1	.....	.....	.....	.....	.....	.....	1	1	1	
12	1	1	.....	.....	.....	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	
13	.....	0	0	0	0	0	0	0	.....	0	0	0	0	.....	0	0	0	.....	.....	.....	.....	0	0	0	0	
14	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	.....	0	0	1	1	1	1	1	1	1	1	1	1	
19	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	0	1	
21	0	0	.....	.....	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	
22	1	1	1	2	1	2	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	
24	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	
26	1	1	1	1	1	1	1	1	.....	1	1	2	3	2	3	3	3	3	3	3	2	2	1	1	2	
27	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	1	2	2	2	
28	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	1	0	0	0	1	2	2	2	3	3	2	1	1	1	1	1	1	
30	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	1	1	1	1	1	.....	
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	
MEAN	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
20	2	1	1	1	1	1	1	1	1	0	1	1	1	2	2	2	2	2	2	2	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1
22	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	2	1	1	1	1	1	1	2	2	2	3	2	3	1	1	1	1	1	1	1
MEAN	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 94.4      PERCENTAGE OF DATA INVALID - 5.1      PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
9	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	1	2	5	3	2	1	1	1	1	1	1	0	0	1
11	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	1	0	1	0	1	0	0	0	0
12	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	1	0	0	0
13	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	0	0	0	0	0	1	0	0	1	0	1	1	1	0	0	0	0	0	0
19	0	1	1	1	1	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0
20	0	0	1	0	0	1	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0
21	0	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	1	0	1	0	0
23	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1
24	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	4	2	2	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	1
26	0	0	1	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	1
27	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1
28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	0	0	1	1	1	0	0	2	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 97.3      PERCENTAGE OF DATA INVALID - 1.5      PERCENTAGE OF DATA UNAVAILABLE - 1.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071												EXPERIMENTAL FARM SIMCOE													
												MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2	8	6	0	0	0	0	0	1
9	0	1	1	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	2	3	3	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	2	2	3	2	3	4	5	3	3	2	2	2	2	1	1	1	1	1	1	2	1	2	2
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 22071		EXPERIMENTAL FARM SIMCOE												MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	3	2	2	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	2	3	4	5	5	1
23	6	6	5	4	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 1.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.3	1	5
FEB	27	1.0	3	7
MAR	25	1.0	2	9
APR	30	0.9	2	5
MAY	30	1.1	2	5
JUN	16	0.8	2	3
JUL	18	1.2	2	9
AUG	28	0.7	2	3
SEP	29	0.6	1	3
OCT	30	0.5	1	5
NOV	30	0.4	2	8
DEC	31	0.7	3	6
YEAR	325	0.7	3	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	61 TO 65	66 TO 70	71 TO 75	76 TO 80	81 TO 85	86 TO 90	91 TO 95	96 TO 100	TOTAL
JAN	739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	739
FEB	644	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	648
MAR	626	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	628
APR	701	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	701
MAY	718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	718
JUN	370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	370
JUL	470	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	471
AUG	685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	685
SEP	680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	680
OCT	724	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	724
NOV	707	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	709
DEC	719	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	721
YEAR	7783	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7794

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
88.7	0	0.0	0.0	0.2	0.6	1.3	1.8	2.4	2.9	9	0.7



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE														MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
4	0	1	1	1	1	1	0	0	0	2	2	1	2	1	0	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	1
6	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	3	4	4	3	1
7	3	3	3	2	3	4	7	6	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	2
8	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2	1	1
9	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	2	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	2	2	3	2	1
11	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2	1	1	1	1	1	1	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
14	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
15	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	0	0	0	1
20	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	1	2	1	2	2	1	1	1	1	1	1	1	0	0	1	1	1	1	1
23	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
28	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0
29	3	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	0
31	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0
4	1	1	2	2	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
5	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0
6	2	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	2	2	3	2	1	1	1	1	4	4	2	1	1	1	1	1	0	0	0	0	1
8	0	1	1	1	1	2	1	2	2	3	2	2	2	2	1	1	2	2	2	2	3	3	3	2	2
9	2	2	2	2	2	2	2	2	2	1	1	0	1	3	2	1	1	1	1	2	1	1	1	1	2
10	1	1	1	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	0	0	0	1	1	2	1
11	2	2	2	2	2	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	0	1	1	1	2
12	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1
14	2	2	2	1	2	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
18	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1
19	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	2	2	2	1	2	2	1	1	2
20	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	4	2	2	2	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	1
26	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0
2	1	1	1	1	1	1	1	1	1	3	2	2	1	1	1	0	1	1	1	1	0	0	0	0	1
3	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1
4	1	1	1	3	4	4	3	3	2	2	2	2	3	3	3	3	3	3	2	2	1	1	1	1	2
5	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	3	3	2	2	2	3	3	2	2	1
8	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	2
9	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1
10	1	1	1	2	2	2	3	2	2	2	2	2	2	2	3	3	2	2	2	2	1	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
16	0	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
17	1	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1
20	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	2	1	2
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
22	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	0	0	1	5	2	4	4	7	2	1	1	1	0	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25														- DATA INVALID -											
26														- DATA INVALID -											
27														- DATA INVALID -											
28														- DATA INVALID -											
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 86.0

PERCENTAGE OF DATA INVALID - 14.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	2	1	1	0	0	0	0	0	0
3	0	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0
10	0	0	1	0	1	2	4	3	1	3	3	0	0	0	0	0	1	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	1	1	1	1	2	3	5	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	2	3	1	0	1	1	1	0	0	2	2	1	0	0	1	1	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	0	0	0	0	0	1	1	1	2	5	2	1	1	1	1	0	0	0	1	1	1
19	1	0	1	1	1	1	0	1	2	4	3	5	7	9	7	2	3	2	1	0	0	0	0	0	2
20	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	2	1	1	10	6	3	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	2	0	0	0	1	1	0	1
23	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	6	1	1	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	1	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0
30	0	0	0	1	1	1	1	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA D



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	2	3	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	4	1	1	4	2	1	1	0	0	0	0	0	0	1
11	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0
13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	10	7	3	1	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0
22	0	0	0	0	1	1	1	1	1	1	1	1	3	3	2	1	1	1	1	3	1	0	0	0	1
23	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	3	6	2	1	0	0	0	1	1
24	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	3	2	2	1	1	0	1
25	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	1
29	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
30	1	1	0	1	1	1	2	2	2	3	2	2	2	2	1	1	1	0	0	0	0	0	0	0	1
31	0	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	0	0	0	0	1	0	0
6	0	0	0	0	0	0	1	1	2	1	1	0	2	1	1	1	2	1	1	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	2	2	4	4	3	2	2	2	2	2	1	1	1	1	1	1
14	1	1	1	1	1	1	1	4	6	6	2	1	5	1	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	26	12	1	1	0	0	0	0	0	2
17	0	0	0	0	0	0	1	0	2	2	1	1	0	0	0	0	1	1	3	2	1	0	0	0	1
18	0	1	1	2	0	0	2	2	5	5	3	5	2	1	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	1	1	1	2	3	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	2	1	2	3	4	3	3	1	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	2	4	4	3	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	1	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
26	1	0	1	1	0	0	1	4	1	8	7	8	7	6	2	3	1	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	1	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 22086		CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	4	1	0	0	0	6	0	0	0	0	0	0	1
2	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	3	2	1	2	1	1	0	0	0	0	1	0	0	0
5	0	0	0	0	0	0	1	1	1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	2	1	2	2	5	2	1	1	1	1	1	0	0	1	1
8	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	3	1	2	2	2	1	4	3	1	1	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0
15	0	0	0	0	0	0	3	3	1	2	3	4	6	3	0	0	1	0	1	1	1	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	3	2	5	8	1	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	1	2	1	3	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	0	1	3	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 22086		CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	1	2	1	3	2	1	2	2	1	1	1	2	1	0	0	1	1	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	1	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	1	1	2	5	3	3	2	2	1	1	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	3	2	1	2	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	0	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	1
22	0	0	0	0	1	1	1	0	0	0	0	0	3	2	1	1	1	1	1	1	0	0	0	0	1
23	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	1	1	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 22086		CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14																									
15																									
16																									
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	1	1	1	1	3	2	3	3	3	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	1	1	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	1	1	1	2	2	2	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 88.9

PERCENTAGE OF DATA INVALID - 11.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*.. INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 22086		CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	3	3	3	9	3	3	2	1	1	1	1	0	0	1	1	1	3	2
2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	2	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*.. INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	2	2	2	4	4	3	3	3	2	2	3	3	2	2	2	2	1
4	3	2	0	0	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	1	1	1	1	2	4	7	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	2	3	2	7	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2
14	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	1	0	0	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0
18	1	1	2	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1
20	0	0	0	0	0	1	0	0	1	2	5	7	2	4	3	3	1	1	1	1	1	6	8	2	2
21	4	4	3	3	4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0
23	0	0	2	2	1	2	3	8	5	3	4	3	4	4	2	1	1	2	2	3	1	2	2	2	2
24	1	1	1	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	2	1	3	5	3	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	0	1	1	1	1	1	1
27	2	3	2	2	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	4	5	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0
29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	5	1	1	2	1	1
MEAN	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	0	0.6

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																													
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - DEC 80																													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																			
1	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0																			
2	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	0	0	0	0	0	1	1	0																			
3	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0																			
4	0	0	0	0	1	1	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1																			
5	1	1	1	1	1	1	1	1	1	1	0	3	1	0	0	0	0	0	0	0	0	1	1	0	1																			
6	1	1	1	1	1	2	2	1	1	2	2	2	1	1	2	2	2	1	1	0	1	1	1	1	1																			
7	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0																			
8	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0																			
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0																			
10	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0																			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1																			
12	1	1	2	2	1	1	1	1	1	0	1	4	1	1	2	1	1	1	1	0	0	0	0	0	0																			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
15	0	0	0	0	0	0	0	0	0	2	1	3	2	1	1	0	0	1	1	0	1	1	3	2	1																			
16	2	2	2	1	1	2	2	2	2	2	2	2	1	1	1	1	0	0	0	1	0	0	0	0	0																			
17	0	0	0	0	0	0	0	0	0	0	1	6	11	0	0	0	0	0	0	14	10	2	1	1	2																			
18	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
22	0	0	1	2	2	1	1	0	0	0	0	1	0	0	0	0	0	1	2	3	4	6	5	6	1																			
23	5	5	5	4	4	4	4	2	1	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	2																			
24	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
25	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																			
26	0	0	0	1	1	1	1	4	6	2	3	3	2	2	3	3	1	1	1	1	1	1	1	1	2																			
27	1	1	1	1	1	1	1	1	1	1	5	4	2	1	1	1	1	1	2	2	2	2	2	2	2																			
28	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																			
29	DATA INVALID -																							2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
30	DATA INVALID -																							2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	3	3	2	2	2	3	3	0	3	3	3	1	1	1	1	1	1	1	0	0	0	0	1	1	2																			
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.8																			

PERCENTAGE OF DATA VALID - 92.7

PERCENTAGE OF DATA INVALID - 7.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	2	7
FEB	29	1.0	2	4
MAR	26	0.9	2	7
APR	30	0.5	2	10
MAY	31	0.4	1	10
JUN	30	0.5	2	26
JUL	31	0.3	1	9
AUG	31	0.2	1	5
SEP	27	0.3	2	15
OCT	31	0.2	2	11
NOV	30	0.6	2	8
DEC	28	0.8	2	14
YEAR	355	0.5	2	26

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	739	2	0	0	0	0	0	0	741
FEB	695	0	0	0	0	0	0	0	695
MAR	639	1	0	0	0	0	0	0	640
APR	709	9	0	0	0	0	0	0	718
MAY	737	3	0	0	0	0	0	0	740
JUN	706	7	1	0	0	1	0	0	715
JUL	738	3	0	0	0	0	0	0	741
AUG	742	0	0	0	0	0	0	0	742
SEP	638	1	1	0	0	0	0	0	640
OCT	741	1	1	0	0	0	0	0	743
NOV	708	7	0	0	0	0	0	0	715
DEC	683	5	2	0	0	0	0	0	690
YEAR	8475	39	5	0	0	1	0	0	8520

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.0	0	0.0	0.0	0.0	0.2	1.0	1.8	2.8	3.8	26	0.5



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB																	UNITS - PARTS/BILLION									
STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59																	MONTH - JAN 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	
2	0	0	0	0	0	0	2	3	-	2	1	1	1	2	2	4	.....	.....	.....	-	4	4	4	4	2	
3	5	4	2	4	2	1	1	-	1	0	0	0	0	0	0	0	0	0	0	-	2	1	1	1	1	
4	1	4	2	1	1	1	1	-	1	0	0	0	0	0	0	0	0	0	0	-	2	1	1	1	1	
5	1	1	1	1	2	4	J	-	2	1	0	0	0	0	0	1	1	0	0	-	2	2	1	1	1	
6	1	1	1	1	1	1	1	-	1	1	0	1	0	0	0	0	0	1	2	-	11	7	5	4	2	
7	2	2	1	1	0	1	1	-	J	1	0	0	0	0	0	0	0	0	0	-	2	1	0	0	1	
8	0	0	0	1	1	0	0	-	2	1	1	1	2	1	1	0	0	0	0	-	1	0	0	1	1	
9	7	9	3	1	0	0	0	-	2	1	1	1	1	1	1	3	1	2	3	-	8	4	2	2	2	
10	1	2	1	3	2	2	-	2	1	2	1	1	0	0	1	1	1	2	2	-	6	6	6	5	2	
11	6	4	5	4	2	2	2	-	2	1	0	0	0	0	0	0	0	0	1	-	4	4	4	5	2	
12	5	5	5	4	2	2	1	-	1	0	0	0	1	1	0	0	0	0	0	-	0	0	0	0	1	
13	0	1	1	1	1	2	6	-	13	9	8	3	1	0	1	1	0	1	1	-	4	4	3	5	3	
14	5	4	2	1	1	1	1	-	3	1	1	1	0	0	1	1	0	0	0	-	4	8	9	13	3	
15	12	9	8	6	5	4	2	-	3	4	5	5	4	2	2	1	1	1	2	-	2	0	3	5	4	
16	5	5	4	4	4	0	0	-	2	2	1	0	0	0	0	0	1	1	1	-	4	3	1	1	2	
17	1	0	1	1	1	1	1	-	5	2	2	2	3	1	1	1	1	0	0	-	6	2	2	1	2	
18	1	1	0	0	0	0	-	-	2	1	0	0	0	0	0	1	1	0	0	.....	.....	.....	.....	.....	.....	
19																										
20																										
21																										
22																										
23																										
24																										
25																										
26	.....	.....	.....	.....	.....	.....	.....	.....	-	0	0	0	0	0	0	0	0	0	0	0	-	4	2	1	.....	
27	0	0	1	0	0	0	0	0	-	0	0	0	0	0	0	1	1	2	3	1	0	-	1	1	0	
28	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	1	1	0	0	
29	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	
30	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	
31	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	2	2	2	1	1	1	1	1	2	1	1	1	1	0	1	0	0	1	1	0	3	2	2	2	1.3	

PERCENTAGE OF DATA VALID - 67.3

PERCENTAGE OF DATA INVALID - 25.0

PERCENTAGE OF DATA UNAVAILABLE - 7.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB													UNITS - PARTS/BILLION												
STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
2	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
3	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
4	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
5	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	1	3	6	-	8	24	21	6	6
6	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	1	0
7	0	0	0	0	0	1	2	-	0	0	0	0	0	0	0	0	0	0	-	1	1	1	3	4	1
8	1	1	1	1	0	0	-	1	1	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1
9	3	3	4	4	3	4	-	2	3	1	1	0	0	0	0	0	0	0	-	0	0	0	0	0	1
10	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	2	2	0
11	0	2	3	4	4	4	-	1	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	1	1
12	1	1	1	1	1	1	-	0	0	0	0	0	0	0	0	0	0	0	-	1	1	2	2	3	1
13	2	2	2	2	2	2	-	1	1	2	0	0	0	1	0	1	2	1	-	1	1	3	5	8	2
14	7	4	1	2	1	5	-	4	5	5	5	-	-	-	1	0	0	0	1	1	1	2	2	2	2
15	-	0	0	2	3	2	6	4	3	4	13	4	-	1	6	11	6	3	3	9	15	12	12	11	6
16	-	7	6	3	4	3	7	8	9	14	11	11	-	4	2	4	8	12	13	9	8	5	4	3	7
17	-	1	1	0	0	0	0	0	0	0	1	1	-	2	2	2	4	4	3	3	2	3	4	4	2
18	-	9	14	16	13	9	7	7	8	14	14	11	-	13	12	13	11	8	7	12	15	19	19	38	13
19	-	42	40	43	37	37	37	32	35	33	29	-	17	22	28	17	14	11	-	8	7	5	6	11	24
20	11	7	6	5	10	20	-	14	19	22	17	16	18	12	6	5	3	1	-	2	2	2	3	3	9
21	4	4	3	5	6	5	-	2	2	2	3	-	8	8	10	6	4	4	-	6	5	5	15	20	6
22	11	10	10	12	12	11	-	9	8	9	8	8	8	8	5	2	3	2	-	5	5	3	1	0	7
23	0	0	0	0	0	0	-	1	1	1	0	0	0	0	0	2	1	2	-	2	2	2	4	5	1
24	4	4	2	3	3	3	-	5	3	2	3	3	3	2	1	1	2	0	-	1	2	3	2	2	2
25	1	1	0	0	0	1	-	1	1	0	0	0	0	8	5	-	15	8	-	2	2	3	3	4	3
26	8	6	3	2	1	1	-	1	1	1	3	3	2	5	6	5	1	4	-	2	0	3	2	10	3
27	12	9	9	10	10	7	-	11	13	13	11	8	1	0	0	0	0	0	-	0	0	0	1	1	5
28	1	2	0	0	0	0	-	0	0	10	12	5	4	2	1	1	1	1	-	1	2	2	3	4	2
29	4	3	6	8	8	8	-	6	3	1	0	0	0	0	1	2	3	5	-	4	5	-	0	0	3
MEAN	3	4	4	4	4	4	11	4	4	5	5	3	3	3	3	3	3	2	5	3	3	3	3	5	3.6

PERCENTAGE OF DATA VALID - 90.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 9.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	-	1	4	5	6	10	6	6	1	2	0	2	-	5	6	8	12	13	4
2	13	12	10	11	10	8	-	8	8	14	29	30	27	27	9	5	2	0	-	0	1	5	1	2	10
3	2	7	12	13	14	10	-	8	8	5	4	5	-	-	3	4	8	6	1	1	-	7	7	14	7
4	12	16	46	50	45	43	37	29	-	19	19	19	15	15	14	13	11	8	7	-	9	8	9	21	7
5	9	10	7	8	10	15	18	15	-	12	10	6	8	12	13	12	11	9	6	3	-	0	0	0	9
6	0	2	4	3	5	6	7	-	3	3	5	9	4	6	7	10	10	10	12	12	-	11	11	11	7
7	11	11	11	9	9	7	6	7	-	6	8	5	6	9	9	10	10	10	9	10	-	20	49	16	11
8	16	20	24	19	18	21	31	35	-	30	26	21	9	11	3	4	20	11	4	3	-	2	3	4	15
9	5	5	3	2	2	3	7	6	-	5	7	5	8	8	8	6	6	6	5	3	-	3	3	8	5
10	8	6	8	10	11	10	9	11	-	10	9	8	7	7	8	9	8	6	3	3	-	2	2	3	7
11	3	3	3	3	5	6	5	2	-	1	3	7	6	2	1	-	5	1	-	0	0	0	0	0	3
12	0	0	0	0	0	0	-	0	0	0	0	0	3	37	23	10	3	3	-	17	14	10	0	0	5
13	5	2	3	4	3	2	-	3	2	2	0	1	2	3	2	5	3	4	-	3	4	5	5	4	3
14	3	3	2	6	5	6	-	4	3	1	1	0	0	0	0	0	0	0	-	1	0	1	2	1	2
15	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	1	0	0	0
16	0	0	0	0	3	3	-	11	11	10	14	19	10	9	12	13	6	3	-	3	4	2	3	2	6
17	1	3	4	3	10	5	-	5	6	4	3	2	0	0	0	2	2	3	-	3	4	2	3	2	3
18	2	2	0	0	0	0	-	0	0	0	0	0	1	4	2	2	1	2	-	1	1	3	3	1	3
19	3	3	3	2	2	3	-	6	9	10	16	11	3	0	0	0	0	1	-	2	2	3	3	2	1
20	9	13	17	19	15	15	-	15	15	11	9	-	7	5	4	3	2	1	-	5	2	2	3	4	8
21	3	3	3	2	3	3	-	4	1	1	2	3	3	2	0	0	0	-	3	0	0	0	0	0	2
22	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	1	0	0	0
23	0	0	3	2	0	0	-	0	0	0	0	0	0	0	0	2	2	3	-	3	3	2	4	4	1
24	4	4	9	9	8	7	-	6	6	6	6	7	9	9	6	5	3	3	-	4	5	7	6	6	6
25	8	5	2	2	2	2	-	14	5	6	9	5	2	0	0	0	0	0	-	0	0	0	0	0	3
26	0	0	0	0	2	2	-	0	0	0	0	0	0	0	0	0	0	0	-	2	2	2	2	3	1
27	4	3	6	5	5	3	4	2	2	0	-	4	5	7	6	5	3	4	-	3	3	3	3	4	4
28	4	6	13	10	11	10	-	15	15	10	10	13	8	10	5	5	6	9	-	6	5	4	2	5	8
29	5	5	5	4	3	-	4	4	4	3	1	1	0	0	0	0	0	0	-	2	2	0	1	2	2
30	1	3	3	4	3	6	-	9	10	13	3	5	6	5	2	2	1	1	-	3	7	5	4	4	5
31	3	3	4	5	4	4	-	2	1	1	2	2	5	5	4	4	3	3	-	3	1	1	3	3	3
MEAN	4	5	7	7	7	7	14	7	5	6	7	6	6	7	5	4	4	4	6	4	3	4	5	4	5.4

PERCENTAGE OF DATA VALID - 91.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 8.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH - APR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	2	4	4	-	4	5	3	3	5	2	-	-	-	1	0	-	0	0	0	0	0	2
2	1	2	1	1	1	0	-	0	0	0	0	0	1	2	3	4	3	3	-	2	3	3	5	4	2
3	4	4	4	6	6	8	-	8	8	10	10	11	11	6	4	4	5	5	-	2	3	6	9	8	6
4	6	6	5	3	2	2	-	1	1	1	0	0	0	0	0	0	0	1	-	2	2	2	3	4	2
5	2	2	1	1	1	2	-	3	2	1	1	1	0	0	0	0	1	1	-	0	0	0	0	0	1
6	0	1	2	2	5	4	-	1	0	0	0	0	0	0	0	0	0	0	-	1	0	0	1	1	1
7	1	1	1	1	1	5	-	5	7	5	5	5	3	5	5	3	2	-	2	2	2	1	1	1	3
8	2	3	4	3	3	3	-	0	2	1	2	2	1	0	0	1	0	0	-	1	1	0	0	0	1
9	0	0	0	1	0	0	-	0	1	2	1	1	3	4	4	3	2	2	-	0	1	2	0	0	1
10	0	0	0	0	0	3	-	1	2	1	1	-	2	1	0	0	1	1	-	0	0	0	0	0	1
11	0	0	0	0	0	0	-	0	0	1	0	-	-	-	1	1	0	0	-	0	0	1	1	1	0
12	1	2	2	4	11	10	-	5	5	5	5	5	5	1	1	1	0	0	-	0	0	1	1	1	3
13	2	1	0	0	1	1	-	1	1	2	2	0	2	2	0	0	0	1	-	0	0	2	4	4	1
14	3	3	3	5	4	5	-	3	0	0	0	0	0	0	0	0	4	2	-	1	1	1	0	0	2
15	0	1	2	2	1	1	-	3	2	2	2	2	7	2	2	4	1	0	-	0	0	0	3	5	2
16	9	7	9	10	11	9	-	14	5	5	3	0	0	0	0	0	1	2	-	1	2	2	2	4	4
17	4	5	5	4	4	2	-	0	0	0	0	0	0	0	0	1	5	10	9	-	9	3	5	1	3
18	0	0	0	0	1	2	-	5	3	2	1	1	0	0	1	1	1	1	-	1	1	1	3	3	1
19	3	3	0	0	0	4	-	1	2	3	7	6	4	4	5	4	3	2	-	1	2	4	7	7	3
20	5	5	6	5	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1
21	4	4	4	5	4	2	-	3	3	2	2	2	1	1	1	1	1	3	-	5	5	4	3	2	3
22	3	2	1	1	1	0	-	1	1	4	5	1	1	3	6	7	-	5	-	5	3	2	1	0	3
23	0	0	0	0	0	0	-	5	8	19	22	10	6	4	3	2	1	1	-	0	0	0	0	0	4
24	0	0	1	1	2	1	-	3	12	9	21	2	3	5	3	2	4	0	-	0	0	5	1	1	3
25	2	4	2	4	2	2	-	0	0	0	0	0	0	0	0	2	2	1	-	1	1	0	0	0	1
26	0	1	1	1	0	2	-	2	2	3	4	4	4	4	6	7	5	5	-	1	1	1	1	3	3
27	4	5	6	4	6	5	-	6	8	8	4	7	3	3	3	1	1	2	-	1	1	1	3	2	4
28	1	1	1	2	2	2	-	4	3	2	3	3	3	4	4	4	4	3	-	2	2	1	1	1	2
29	1	1	1	1	2	2	-	3	5	4	3	1	1	0	1	1	1	3	-	4	3	3	4	4	2
30	3	4	5	4	2	2	-	4	3	2	2	2	3	4	4	4	3	2	-	0	0	0	1	2	3
MEAN	2	2	2	2	3	3	****	3	3	3	4	3	2	2	2	2	2	2	****	1	1	2	2	2	2.3

PERCENTAGE OF DATA VALID - 90.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 9.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB													UNITS - PARTS/BILLION											
STATION - NMP NO 22901													MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	6	1	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0
2	0	0	0	0	0	0	-	0	1	1	0	0	0	0	0	0	0	0	-	0	1	1	0	0
3	0	0	0	0	0	0	-	1	1	1	2	1	4	3	1	1	1	0	-	0	1	1	0	0
4	3	6	9	9	8	7	-	3	3	2	2	3	3	3	3	3	3	5	-	2	0	0	2	1
5	1	0	0	0	0	0	-	0	0	0	0	1	1	1	1	1	1	0	-	-	-	-	1	0
6	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	-	0	1
7	4	5	5	7	5	4	2	2	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	-	-	-	4	3	4	3	3	1	-	0	0	1	0
9	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	3	4	2	-	1	1	1	0
10	0	0	3	3	1	0	-	1	2	3	4	6	10	26	24	14	8	2	-	1	1	3	0	0
11	0	0	1	3	3	3	-	6	6	9	8	8	6	4	4	1	1	0	-	0	0	0	0	0
12	0	0	1	3	2	2	-	3	5	3	3	3	2	1	1	0	0	-	0	0	0	0	0	1
13	1	0	1	1	3	4	-	4	5	4	1	1	2	3	1	1	1	1	-	4	4	1	-	2
14	3	2	0	0	0	1	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
15	0	0	0	0	1	0	-	4	3	2	3	2	2	2	2	6	1	1	-	1	1	0	0	1
16	0	0	0	0	1	1	-	0	0	1	1	-	6	5	3	4	4	3	-	1	1	1	1	1
17	2	1	0	0	0	0	-	0	0	0	1	1	1	1	0	0	0	0	-	0	0	0	0	0
18	0	0	0	0	0	0	-	3	5	5	5	5	4	3	3	2	1	1	-	0	0	0	0	0
19	0	0	0	0	0	0	-	1	0	0	1	1	1	1	1	1	1	0	-	0	0	1	1	0
20	0	0	0	0	1	1	-	0	0	3	3	9	-	3	1	0	0	0	-	0	0	1	1	5
21	6	13	6	6	5	7	-	6	6	7	7	4	3	4	4	4	4	3	-	1	1	0	0	0
22	0	0	0	0	0	0	-	2	3	4	7	5	-	3	4	4	2	-	0	0	0	0	0	2
23	0	0	1	0	1	1	-	0	4	9	7	5	3	3	3	3	3	-	1	2	4	6	4	3
24	1	2	2	2	1	0	-	2	2	2	1	0	1	0	0	0	0	0	-	0	0	0	0	1
25	1	1	1	1	1	1	-	1	1	12	5	14	2	0	0	0	1	1	-	0	0	0	0	0
26	0	0	1	3	5	5	-	7	8	4	3	4	6	8	8	7	2	1	-	0	0	0	0	3
27	4	3	2	2	1	1	-	1	1	1	11	14	8	2	1	0	0	0	-	0	0	0	0	1
28	1	2	1	0	0	0	-	2	4	11	12	10	10	33	36	16	9	2	-	8	9	5	5	8
29	7	4	4	4	4	5	-	7	7	7	6	5	6	8	10	5	1	4	-	1	2	0	0	4
30	0	0	3	3	3	4	-	4	4	5	3	2	1	1	0	0	1	0	-	0	0	0	0	2
31	0	0	1	3	3	2	-	3	8	8	5	4	4	1	0	0	0	0	-	0	0	0	0	2
MEAN	1	1	1	2	2	2	1	2	3	4	3	4	3	4	4	3	2	1	1	1	1	1	1	2.0

PERCENTAGE OF DATA VALID - 90.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB													UNITS - PARTS/BILLION														
STATION - NMP NO 22901													MONTH - JUN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	1	-	1	0	0	1	1	0		
2	0	0	0	0	0	0	-	0	0	0	-	2	1	1	1	0	0	0	-	0	0	0	0	0	0		
3	0	0	0	0	0	0	-	0	0	0	0	1	1	1	0	0	0	0	-	1	1	0	0	0	0		
4	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	-	-	2	-	3	4	2	1			
5	1	0	0	0	0	1	2	-	2	2	2	6	5	5	5	5	2	2	0	0	-	9	10	8	3		
6	4	1	0	1	1	2	3	3	-	2	2	2	3	1	1	0	1	1	0	0	-	0	0	0	1		
7	0	0	0	1	1	1	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	- DATA INVALID -																										
9	- DATA INVALID -																										
10	- DATA UNAVAILABLE -																										
11	- DATA UNAVAILABLE -																										
12	- DATA UNAVAILABLE -																										
13	- DATA INVALID -																										
14	-----																										
15	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16	0	0	0	0	1	1	1	3	7	6	8	-	8	3	3	2	1	1	-	0	0	0	0	0	2		
17	0	1	1	0	0	1	-	1	1	1	1	1	1	1	1	2	2	1	-	2	1	0	0	0	0		
18	1	2	1	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0		
19	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0		
20	0	0	0	0	0	0	-	2	3	3	1	0	-	-	-	0	-	0	-	0	0	0	0	0	1		
21	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0		
22	0	0	0	0	0	0	-	1	3	6	7	6	4	3	3	4	2	1	-	2	2	2	2	2	2		
23	0	0	0	0	1	0	-	0	0	0	0	0	0	0	5	12	22	19	-	1	-	1	5	7			
24	7	6	5	2	2	1	-	0	0	0	0	0	0	0	0	0	0	0	-	3	1	0	0	1			
25	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0			
26	0	0	0	0	0	0	-	0	0	0	0	0	-	-	-	3	1	0	-	0	0	0	0	0			
27	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0			
28	8	6	4	4	2	1	-	3	2	1	-	1	1	1	0	1	1	3	-	0	5	3	1	0			
29	0	1	1	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	1	1	0	0			
30	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	1			
MEAN	1	1	1	0	0	0	2	1	1	1	1	1	1	1	1	1	2	1	0	1	1	1	1	1			

PERCENTAGE OF DATA VALID - 66.5

PERCENTAGE OF DATA INVALID - 11.3

PERCENTAGE OF DATA UNAVAILABLE - 22.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE - PPB		UNITS - PARTS/BILLION																							
STATION - NMP NO 22901		LONG PT PROV PK 100M S HWY59												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	2	1	1	1	-	2	3	3	3	4	3	2	1	0	0	0	-	1	1	1	1	2	2
2	2	3	3	3	3	1	-	0	1	0	0	0	-	0	0	0	0	0	0	0	0	1	1	1	1
3	0	0	0	0	0	2	-	3	3	3	4	5	7	7	7	0	0	0	0	0	0	1	1	0	2
4	0	1	2	2	2	1	-	1	1	1	1	1	1	1	0	1	4	3	-	0	0	1	1	1	1
5	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	-	1	1	0	0	0	0	0	0	0	0	0	-	0	0	1	1	1	0
7	1	1	2	1	1	0	-	0	0	0	0	0	0	0	0	0	1	1	1	-	1	1	0	0	1
8	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
11	0	0	0	0	0	0	-	0	0	0	0	0	-	-	0	0	0	0	1	0	0	0	0	0	0
12	0	0	1	3	3	3	-	0	0	0	0	0	2	1	0	0	0	0	0	-	1	1	1	2	1
13	1	2	2	2	1	5	-	8	7	5	1	1	0	0	0	0	0	0	0	-	0	0	0	0	2
14	1	1	1	1	1	1	-	0	0	0	0	0	-	0	1	0	0	0	-	0	0	0	0	0	0
15	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
16	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	1	2	1	0	0
17	0	0	0	0	0	0	-	2	1	0	0	0	0	0	0	0	0	0	-	0	1	1	1	1	0
18	1	1	2	2	1	0	-	1	3	7	10	10	10	6	4	3	2	3	-	0	2	0	0	1	3
19	1	0	1	0	0	1	-	0	1	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
20	0	0	0	0	0	1	-	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	0	0	0
21	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	1	1	1	0
22	0	0	0	1	1	0	-	0	0	0	0	0	0	0	0	0	0	1	-	1	1	1	1	1	0
23	1	1	1	1	1	1	-	0	0	0	0	1	0	0	0	0	0	0	-	1	1	1	1	2	1
24	3	3	3	3	1	3	-	0	0	0	-	1	0	0	0	0	0	0	-	0	2	2	2	4	1
25	10	10	6	3	3	2	-	2	2	2	1	0	0	0	0	0	0	0	-	0	0	0	0	0	2
26	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
27	0	1	1	1	1	1	-	2	1	1	0	0	1	1	1	1	1	0	-	0	0	0	0	0	1
28	0	0	0	0	1	1	-	1	1	1	1	1	1	1	0	0	0	0	-	0	0	0	0	0	0
29	1	1	1	1	1	1	-	1	1	1	1	0	0	0	0	0	0	0	-	0	0	0	0	1	1
30	1	1	1	1	1	1	-	1	1	0	0	0	0	0	0	0	0	0	-	0	1	1	1	0	1
31	0	0	1	1	1	1	-	1	0	1	1	2	5	6	6	4	3	1	-	0	0	0	2	2	2
MEAN	1	1	1	1	1	1	****	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0.7

PERCENTAGE OF DATA VALID - 81.6

PERCENTAGE OF DATA INVALID - 10.2

PERCENTAGE OF DATA UNAVAILABLE - 8.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB														UNITS - PARTS/BILLION											
STATION - NMP NO 22901														MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
2	0	0	0	0	0	0	-	0	0	0	0	0	0	1	1	2	1	1	-	0	0	0	0	0	0
3	0	0	1	1	1	1	-	2	3	2	2	1	0	0	0	0	0	0	-	0	2	2	2	3	1
4	0	0	2	2	3	3	-	2	2	2	2	1	0	0	0	0	2	2	-	2	3	3	3	2	1
5	2	2	2	2	2	2	-	2	3	3	1	0	0	0	0	0	0	0	-	0	0	0	0	0	0
6	0	0	0	0	1	1	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
7	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	2	2	0	0	0	0
8	0	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	-	2	2	2	2	0	0
9	2	2	2	2	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
10	4	3	5	11	11	11	-	5	5	4	4	5	3	2	2	4	6	7	-	0	0	0	0	0	4
11	0	0	2	3	3	6	-	9	10	11	10	3	4	2	3	3	2	1	-	0	0	0	0	0	4
12	0	0	0	0	0	0	-	2	2	1	2	0	0	0	0	0	0	0	-	1	2	1	2	1	0
13	2	2	1	2	3	-	1	2	2	3	2	2	2	0	0	0	0	0	-	0	0	9	11	10	2
14	10	5	6	5	3	1	-	2	2	0	0	-	-	0	0	0	0	0	-	0	0	0	0	0	2
15	0	0	0	0	1	2	-	2	3	4	3	3	2	2	1	1	0	0	-	2	3	2	3	2	2
16	2	4	4	2	2	4	-	2	2	2	5	7	5	3	2	0	0	0	-	0	2	3	5	6	3
17	4	4	6	6	1	4	-	5	6	5	3	1	0	0	0	4	8	9	-	9	10	10	10	8	5
18	7	10	11	10	11	11	-	1	2	2	1	1	2	1	0	0	0	0	-	0	1	2	0	1	3
19	3	2	2	2	2	2	-	2	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	1
20	DATA INVALID																								
21	DATA INVALID																								
22	0	0	0	0	0	0	-	4	1	0	0	0	3	5	6	4	4	2	-	2	3	4	2	0	3
23	0	2	11	15	24	16	-	6	6	10	11	13	10	6	3	2	1	1	-	2	2	3	3	3	7
24	2	2	3	13	11	8	-	8	10	14	12	9	9	6	5	4	2	1	-	4	4	5	2	3	6
25	5	8	5	4	6	6	-	6	5	5	3	3	2	1	0	0	0	0	-	6	4	2	3	3	4
26	3	3	3	11	8	7	-	6	6	4	3	2	0	0	0	0	0	0	-	0	0	0	0	0	3
27	0	0	3	3	1	0	-	0	-	0	0	0	0	0	0	0	0	0	-	0	1	0	0	2	1
28	4	6	5	5	1	3	-	1	0	0	3	3	4	4	17	21	26	38	-	35	19	16	10	9	10
29	8	8	7	8	6	7	-	7	7	5	3	2	2	2	4	4	1	1	-	0	0	0	0	2	4
30	5	3	3	1	0	0	-	4	3	3	1	0	3	3	4	3	2	2	-	0	0	1	1	2	2
31	2	3	4	3	4	5	-	4	6	3	4	4	2	2	2	3	4	4	-	2	2	2	1	1	3
MEAN	2	2	3	4	4	4	1	3	3	3	3	2	2	1	2	2	2	2	0	2	2	2	2	2	2.5

PERCENTAGE OF DATA VALID - 83.5

PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 8.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB															UNITS - PARTS/BILLION														
STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59															MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	1	1	1	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0				
2	0	0	0	0	0	0	-	0	0	0	0	-	-	1	1	2	2	2	-	0	1	4	6	7	1				
3	4	4	4	4	3	3	-	0	2	3	3	0	9	19	13	6	5	3	-	5	7	9	4	3	5				
4	4	8	7	3	0	0	-	4	4	4	5	6	7	8	9	8	8	5	-	1	2	0	0	0	4				
5	0	0	0	0	0	0	-	1	2	2	2	4	5	8	8	6	4	2	-	0	0	0	1	2	2				
6	1	1	1	3	2	4	-	5	7	9	8	6	6	4	3	2	0	0	-	0	0	0	0	2	3				
7	3	4	5	7	2	2	-	3	3	3	3	1	3	3	0	0	0	0	-	1	3	2	3	3	2				
8	4	3	5	1	4	7	-	4	5	3	2	1	0	0	0	0	0	2	-	5	5	2	0	0	2				
9	1	7	3	5	7	9	-	10	10	12	7	5	2	0	0	0	0	0	-	1	2	1	1	2	4				
10	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	1	2	-	4	4	5	6	5	1				
11	6	6	6	5	3	3	-	0	3	5	7	8	4	2	-	-	-	-	-	-	-	-	-	-	*****				
12	- DATA UNAVAILABLE -																												
13	- DATA UNAVAILABLE -																												
14	- DATA UNAVAILABLE -																												
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	4	0	0	*****				
16	0	0	0	0	0	0	-	1	5	2	3	8	12	7	10	12	11	9	-	2	3	3	3	3	4				
17	3	3	2	3	3	5	-	4	3	2	1	1	0	0	0	0	0	0	-	1	2	3	3	3	2				
18	-----															0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	13	10	10	5	4	3	4	4	-	-	-	-	0	0	0	0	0	0	0	2	4	-	9	3	4				
20	9	22	13	27	32	19	21	21	10	-	7	6	5	3	3	3	4	4	2	0	0	-	0	1	10				
21	0	0	0	0	0	1	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0				
22	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0				
23	0	0	0	0	0	0	0	0	0	-	0	0	0	1	1	0	0	0	0	0	0	-	2	3	0				
24	6	6	5	5	5	4	1	2	3	-	5	5	5	6	4	4	3	3	1	1	2	-	7	8	4				
25	6	7	9	8	5	4	5	6	6	-	7	5	5	5	5	11	8	8	10	10	4	-	1	1	6				
26	1	2	2	1	1	0	0	0	0	-	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0				
27	0	0	0	0	0	2	-	1	0	0	0	3	4	3	2	2	3	2	-	0	0	0	1	1	1				
28	2	2	1	2	2	2	-	0	0	0	0	0	0	0	0	0	0	6	-	0	2	5	9	7	2				
29	8	6	5	3	2	2	-	6	4	4	3	3	2	2	1	1	3	3	-	4	4	5	4	4	4				
30	3	4	7	10	12	15	-	19	25	24	29	33	22	19	17	15	16	12	-	7	6	5	4	2	14				
MEAN	3	4	3	4	3	3	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	3	3	3	3.2				

PERCENTAGE OF DATA VALID - 75.8

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 22.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB															UNITS - PARTS/BILLION										
STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59															MONTH - OCT 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	7	9	17	10	-	10	17	17	20	-	-	-	-	-	-	-	-	0	0	2	7	14	*****
2	12	4	2	0	0	0	-	1	1	1	2	3	2	2	2	1	5	7	-	4	3	2	0	0	2
3	0	0	0	0	0	-	-	3	4	6	6	6	7	7	6	4	3	2	-	1	1	1	2	2	3
4	0	0	0	0	0	0	-	0	0	0	0	2	1	1	1	1	1	1	-	1	0	0	0	0	0
5	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	2	-	2	2	3	3	3	1
6	2	2	2	0	0	0	-	2	2	3	3	2	3	7	5	2	3	2	-	1	0	0	0	1	2
7	4	4	5	5	4	4	-	4	7	7	6	5	6	4	2	0	1	4	-	0	0	4	7	9	4
8	6	5	6	6	6	6	-	5	6	6	-	7	5	3	1	1	1	1	-	3	3	1	0	0	4
9	0	0	1	3	4	4	-	6	9	18	32	9	2	7	44	44	29	18	-	10	11	20	32	12	14
10	4	5	5	2	2	5	-	0	0	0	4	7	10	11	16	15	16	18	-	6	7	8	9	10	7
11	11	8	7	4	6	4	-	0	1	1	0	0	0	0	0	0	0	2	-	3	3	2	2	0	2
12	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	1	0
13	2	2	1	1	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	2	2	3	3	3	1
14	1	1	2	2	1	1	-	1	1	1	1	1	-	1	0	1	0	0	-	1	1	1	1	0	1
15	0	0	0	0	0	0	-	1	1	1	1	4	2	3	2	5	14	10	-	4	4	4	3	3	3
16	3	3	3	4	4	4	-	3	3	3	3	4	3	3	3	2	2	2	-	1	0	0	0	0	2
17	1	3	5	5	4	5	-	4	9	15	-	2	2	2	2	2	2	2	-	3	3	2	2	2	0
18	1	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	1	2	2	2	2	0
19	0	1	1	0	0	0	-	0	0	0	0	0	0	0	0	1	1	1	-	1	1	2	2	2	1
20	2	2	1	0	0	0	-	0	0	0	0	0	0	0	0	0	2	2	-	2	3	3	1	0	1
21	0	0	0	0	0	0	-	0	0	0	0	0	-	-	2	1	0	0	-	0	0	1	1	2	0
22	2	2	2	2	2	2	-	1	1	0	0	0	0	0	0	0	0	2	-	2	2	0	0	0	1
23	0	0	0	4	3	1	-	1	2	2	1	-	-	0	0	2	3	9	-	6	4	4	3	3	2
24	3	3	2	2	3	3	-	7	11	11	9	6	10	13	9	5	8	8	-	8	8	7	6	7	7
25	7	5	5	4	3	2	-	1	2	2	2	2	2	2	2	1	0	0	-	3	3	2	2	1	2
26	3	2	0	0	0	0	-	0	0	0	0	0	0	0	2	2	3	2	-	2	2	2	2	1	1
27	0	0	0	1	2	2	-	3	3	1	1	2	-	1	2	2	2	2	-	7	7	6	4	2	2
28	1	1	4	6	4	3	-	2	2	2	2	1	1	1	0	0	0	0	-	0	0	0	0	0	1
29	3	4	2	2	0	0	-	0	0	0	0	0	0	0	0	0	1	1	-	0	0	0	0	0	1
30	0	0	0	0	0	3	-	5	10	8	7	2	2	2	2	2	2	2	-	2	2	3	1	1	3
31	3	3	2	2	2	2	-	0	0	0	0	0	0	1	2	2	1	1	-	0	1	4	5	5	2
MEAN	2	2	2	2	2	2	****	2	3	3	3	2	2	3	4	3	3	3	****	2	2	3	3	3	2.7

PERCENTAGE OF DATA VALID - 88.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 11.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE - PPS

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	1	1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	-	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
3	1	1	0	1	3	6	-	10	11	23	22	19	16	15	13	11	10	5	-	2	3	6	8	5	9
4	2	2	2	2	1	1	-	0	2	0	0	0	0	-	-	0	0	0	-	0	0	0	0	2	1
5	2	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	2	2	3	3	3	1
6	1	2	2	5	5	3	-	2	0	0	0	0	2	2	3	3	6	5	-	1	1	2	5	6	3
7	4	4	4	5	5	5	-	5	6	6	10	10	6	5	4	4	5	5	-	3	1	2	2	2	5
8	0	0	0	0	1	1	-	0	0	0	0	1	13	3	0	0	0	0	-	3	4	5	6	5	2
9	8	8	6	6	9	13	-	8	5	4	2	2	2	1	0	0	0	0	-	1	4	3	3	3	4
10	1	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	-	-	-	0	0	0	0	0	0
11	0	0	0	0	0	0	-	0	0	0	0	0	1	2	0	0	0	0	-	0	0	0	0	0	0
12	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	1	1	2	1	2	0
13	3	8	13	9	7	9	-	14	24	13	17	15	12	10	7	6	4	3	-	5	6	3	3	3	5
14	6	7	2	3	3	5	-	2	2	0	0	0	0	0	0	0	2	3	-	2	3	0	0	0	2
15	0	0	0	0	0	0	-	2	2	2	2	1	0	0	0	0	0	0	-	0	0	0	0	0	0
16	0	1	0	0	0	2	-	2	4	5	11	19	19	16	9	8	7	6	-	4	4	2	2	3	6
17	2	2	0	2	3	3	-	0	0	0	2	4	3	4	5	6	8	4	-	6	2	3	4	2	3
18	2	4	4	3	0	0	-	2	2	1	2	2	2	2	3	3	2	2	-	1	2	2	2	1	2
19	2	3	1	1	1	6	-	8	4	5	5	5	5	7	3	2	1	3	-	2	3	3	3	3	3
20	2	3	3	5	4	4	-	5	6	10	10	15	34	-	-	18	18	12	-	15	11	11	20	19	11
21	38	34	27	23	20	12	-	6	4	2	2	2	2	3	3	3	3	3	-	3	3	2	2	2	9
22	1	1	1	1	2	3	-	8	7	3	4	5	6	11	21	9	6	5	-	8	10	11	10	11	7
23	11	20	15	13	22	47	-	24	21	16	14	13	14	14	9	8	10	8	-	7	8	6	4	4	14
24	5	4	4	2	0	0	-	1	1	3	2	2	3	3	2	3	3	2	-	0	0	0	0	0	2
25	0	0	0	0	0	0	-	3	3	2	2	2	3	1	2	2	1	0	-	3	2	0	0	0	1
26	0	0	0	0	2	4	-	1	3	3	2	2	3	4	3	3	2	1	-	0	1	1	1	1	2
27	4	6	20	8	4	5	-	4	2	3	3	0	1	1	1	1	1	1	-	2	2	1	1	1	3
28	2	2	1	1	2	2	-	4	5	3	2	2	4	6	6	-	-	-	-	-	-	-	-	-	*****
29																									
30																									
MEAN	4	4	4	3	3	5	****	4	4	4	4	4	6	4	4	3	3	3	****	3	3	3	3	3	3.7

PERCENTAGE OF DATA VALID - 83.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 16.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE - PPS

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	13	12	5	2	2	2	5	8	-	5	2	9	1	3	6	7	10	6	3	6	-	7	6	2	6
6	3	3	6	6	5	5	6	7	-	3	2	2	3	3	3	5	5	5	5	0	-	3	2	2	4
7	2	2	2	2	3	3	5	6	-	5	5	5	5	3	2	2	2	2	2	2	-	2	1	1	3
8	0	0	0	0	2	2	0	1	-	2	5	6	6	7	10	8	6	3	-	-	-	1	5	5	3
9	3	6	3	3	1	2	-	0	2	3	2	10	52	12	3	5	10	7	-	3	3	2	3	12	7
10	12	10	8	3	3	3	-	2	2	2	2	2	9	-	-	-	5	0	-	0	0	1	1	0	3
11	1	0	0	0	0	0	-	0	0	0	0	0	6	14	14	12	15	14	-	5	5	13	14	8	6
12	6	8	8	7	8	12	-	12	10	10	12	14	22	22	20	16	14	12	-	3	1	2	2	0	10
13	0	0	3	5	5	3	-	0	0	0	0	2	1	2	1	0	0	0	-	0	0	0	0	0	2
14	12	9	5	8	7	7	-	3	5	3	5	5	2	2	0	0	0	0	-	1	1	1	0	3	4
15	5	2	2	5	8	7	-	12	9	12	12	12	32	34	27	20	16	10	-	15	13	10	7	12	13
16	21	15	19	16	14	12	-	19	20	20	15	13	13	15	9	-	-	3	-	3	3	3	2	2	12
17	1	1	1	1	3	2	-	2	2	5	5	2	3	2	5	6	12	22	-	17	26	22	16	16	8
18	14	14	9	10	9	10	-	5	6	2	0	0	0	0	0	0	0	0	-	3	3	0	0	0	*****
19	0	3	2	1	1	0	-	2	2	0	0	0	0	0	0	0	0	0	-	0	0	0	0	2	1
20	3	3	3	3	5	5	-	3	6	6	6	5	3	2	1	1	0	0	-	1	3	5	5	2	3
21	2	2	3	2	3	3	-	3	5	7	3	3	2	3	2	1	0	1	-	5	7	9	9	10	4
22	31	20	9	10	16	13	-	12	14	15	12	10	-	10	9	8	12	22	-	34	42	44	44	43	20
23	45	41	32	28	24	24	-	16	14	14	6	8	15	13	13	12	12	10	-	8	8	10	9	7	17
24	9	8	6	7	8	6	-	5	8	9	7	6	6	5	3	7	7	8	-	6	6	3	3	2	6
25	2	0	0	0	0	0	-	2	0	0	2	2	3	3	5	3	1	1	-	1	2	3	5	7	2
26	9	14	15	15	15	15	-	22	16	16	17	17	20	20	20	15	12	10	-	10	10	10	10	10	16
27																									
28																									
29	28	26	23	20	19	27	-	26	23	23	24	24	23	23	23	22	15	15	-	34	30	24	24	28	*****
30																									
31	16	15	12	6	3	2	-	2	2	5	7	9	10	9	9	8	13	13	-	7	8	7	8	1	4
MEAN	10	9	7	7	7	7	4	7	7	7	6	7	11	9	8	8	8	7	6	8	9	9	9	9	7.9

PERCENTAGE OF DATA VALID - 69.9

PERCENTAGE OF DATA INVALID - 11.0

PERCENTAGE OF DATA UNAVAILABLE - 19.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1990

POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	22	1.3	4	13
FEB	29	3.6	24	43
MAR	31	5.4	21	50
APR	30	2.3	6	22
MAY	31	2.0	8	36
JUN	22	0.9	3	22
JUL	27	0.7	3	10
AUG	29	2.5	10	38
SEP	24	3.2	14	33
OCT	30	2.7	14	44
NOV	27	3.7	14	47
DEC	23	7.9	23	52
YEAR	325	3.0	24	52

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1990

POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59

MONTH	0 TO 50	50 TO 100	100 TO 150	150 TO 200	200 TO 250	250 TO 300	300 TO 400	400 TO 500	TOTAL
JAN	501	0	0	0	0	0	0	0	501
FEB	631	0	0	0	0	0	0	0	631
MAR	678	0	0	0	0	0	0	0	678
APR	651	0	0	0	0	0	0	0	651
MAY	672	0	0	0	0	0	0	0	672
JUN	479	0	0	0	0	0	0	0	479
JUL	607	0	0	0	0	0	0	0	607
AUG	621	0	0	0	0	0	0	0	621
SEP	546	0	0	0	0	0	0	0	546
OCT	661	0	0	0	0	0	0	0	661
NOV	600	0	0	0	0	0	0	0	600
DEC	519	1	0	0	0	0	0	0	520
YEAR	7166	1	0	0	0	0	0	0	7167

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
81.6	0	0.0	0.0	0.8	2.6	7.8	11.6	18.9	24.0	52	3.0



POLLUTANT - SULPHUR DIOXIDE - PPB														UNITS - PARTS/BILLION																					
STATION - NMP NO 22902														Tyneside/Chippewa Rd Binbrooke West											MONTH - JAN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	2	1	0	0	2	0										
2	7	6	3	4	3	1	-	4	6	4	1	0	0	-	4	5	4	6	-	10	9	6	1	0	4										
3	0	0	1	2	4	4	-	11	11	11	15	14	17	12	6	7	7	7	-	11	7	8	5	2	7										
4	2	2	4	20	32	41	-	19	15	8	7	11	7	7	6	3	3	8	-	6	4	2	2	2	10										
5	1	1	1	2	4	4	-	8	17	20	21	9	5	4	4	4	3	1	-	14	7	6	8	1	7										
6	19	15	11	20	24	25	-	11	6	7	9	7	6	9	59	19	5	4	-	9	9	20	34	30	16										
7	19	15	28	25	53	42	-	8	4	2	5	4	4	4	4	4	5	7	-	12	12	12	12	11	13										
8	7	4	5	3	2	0	-	1	2	4	7	12	12	10	6	6	4	4	-	7	7	8	8	6	6										
9	7	5	2	0	0	1	-	4	2	4	1	0	0	0	0	0	0	0	-	0	0	0	0	0	1										
10	3	1	1	2	5	4	-	4	4	9	12	14	13	19	9	9	9	17	-	14	11	11	11	13	9										
11	20	16	14	12	11	9	-	9	7	5	5	5	5	8	15	41	38	7	-	2	1	0	0	1	11										
12	3	3	4	3	3	0	-	2	1	0	0	0	0	0	0	0	0	0	-	2	2	0	0	0	0										
13	1	1	2	7	5	4	-	6	7	20	33	15	11	7	9	9	8	6	-	7	7	8	6	9	9										
14	12	13	14	20	12	9	-	9	7	7	11	9	11	11	9	9	7	7	-	7	39	15	11	14	12										
15	9	6	4	2	2	5	-	11	7	8	9	-	-	0	0	0	0	0	-	0	0	1	1	1	3										
16	0	0	0	0	0	0	0	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****										
17																																			
18																																			
19																																			
20																																			
21																																			
22																																			
23																																			
24																																			
25																																			
26																																			
27																																			
28																																			
29																																			
30																																			
31	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0	0	0	0	-	0	0	0	0	0	0	*****									
MEAN	7	6	6	8	10	9	0	7	6	7	9	7	7	6	8	9	6	5	0	6	7	6	6	6	6.9										

PERCENTAGE OF DATA VALID - 46.5

PERCENTAGE OF DATA INVALID - 32.5

PERCENTAGE OF DATA UNAVAILABLE - 21.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. - - - INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB														UNITS - PARTS/BILLION																					
STATION - NMP NO 22902														TYNESIDE/CHIPPEWA RD BINBROOKE WEST											MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	1	2	2	4	4	4	0	0	0	0	1	0	1	1	8	21	21	22	19	15	5										
2	7	5	5	4	4	7	9	6	6	7	9	9	0	9	8	9	12	22	22	20	20	17	15	11	11										
3	6	3	3	2	2	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	2	5	10	13	2										
4	20	20	21	17	11	8	6	4	3	3	4	5	7	6	-	3	3	3	1	4	9	10	6	6	8										
5	5	5	3	4	3	3	5	6	7	10	10	7	4	4	2	2	0	0	0	0	3	5	29	54	7										
6	73	79	71	56	44	43	20	12	11	14	11	-	8	7	6	4	3	3	3	3	5	6	6	14	22										
7	15	19	29	33	43	52	50	15	10	9	16	26	40	15	3	3	2	0	0	1	3	4	8	8	17										
8	5	5	5	9	13	16	16	18	25	-	18	13	9	14	23	24	11	5	8	19	22	17	15	15	14										
9	19	28	27	26	18	14	11	11	9	5	2	14	25	16	28	33	26	24	25	26	25	9	16	30	19										
10	24	18	17	14	7	6	5	5	15	26	19	12	8	8	8	9	7	6	4	4	3	5	5	5	10										
11	14	16	14	13	14	18	22	22	20	20	17	17	14	11	9	6	5	5	6	7	7	7	6	7	12										
12	8	8	9	10	8	6	6	7	9	10	10	9	8	8	7	7	7	8	8	8	8	10	13	8	8										
13	14	13	19	19	17	15	16	19	20	29	21	14	9	12	15	15	14	24	20	18	20	26	30	23	18										
14	17	16	17	26	27	27	29	29	28	32	-	-	-	6	6	5	2	2	1	1	1	1	1	1	13										
15	1	1	1	1	1	2	2	2	2	13	18	11	14	10	10	12	8	11	11	4	2	4	6	7	6										
16	4	3	1	3	4	4	7	13	11	7	6	9	9	4	3	1	3	3	6	6	8	12	8	6	6										
17	6	4	2	1	1	1	1	1	0	0	1	2	3	3	2	4	5	4	4	3	4	4	8	16	3										
18	12	10	8	9	10	11	11	8	7	7	6	7	12	-	14	10	12	9	11	11	10	15	20	19	11										
19	33	44	40	36	41	40	33	35	35	33	33	32	25	19	15	15	15	15	14	14	12	10	11	11	25										
20	12	12	13	14	15	17	9	7	9	14	16	22	24	21	13	8	5	4	3	3	3	3	2	1	10										
21	3	4	4	4	3	3	0	0	0	2	6	8	6	13	14	16	9	5	0	0	0	0	0	1	4										
22	0	1	2	3	1	3	5	8	10	10	10	9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****										
23																																			
24																																			
25																																			
26																																			
27																																			
28																																			
29																																			
MEAN	14	14	14	14	13	14	12	11	11	12	11	11	12	9	9	9	7	7	7	8	9	9	11	13	11.0										

PERCENTAGE OF DATA VALID - 73.1

PERCENTAGE OF DATA INVALID - 25.9

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. - - - INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22902 TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH - APR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19	12	16	19	15	14	14	13	10	11	11	15	13	14	20	22	11	10	34	25	11	15	20	16	11	*****
20	21	21	4	4	3	3	6	8	4	4	6	4	2	1	0	0	0	3	4	6	6	4	0	0	5
21	2	4	5	5	3	2	0	1	26	17	19	18	6	0	2	2	3	2	0	1	3	2	5	5	6
22	3	2	1	1	2	6	7	7	7	6	3	3	-	3	2	2	3	2	-	0	0	4	9	24	4
23	10	5	0	1	2	3	-	3	3	3	5	4	4	6	6	4	0	-	0	0	0	0	0	0	3
24	0	0	0	0	0	3	-	16	26	22	3	2	5	7	4	2	2	2	-	0	0	0	0	0	4
25	0	0	9	18	17	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
26																									
27																									
28	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	0	0	0	1	1	*****
29	0	2	0	0	0	0	-	0	0	0	0	0	0	0	1	1	0	3	7	3	4	12	18	12	3
30	14	13	6	6	9	13	17	3	0	0	0	11	50	46	18	14	9	9	-	0	2	4	3	3	11
MEAN	7	7	5	6	6	6	9	5	10	8	6	6	10	9	6	6	6	6	8	3	4	6	7	7	6.4

PERCENTAGE OF DATA VALID - 29.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 70.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22902 TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	0	0	1	1	0	1	10	20	15	6	7	5	5	7	30	6	3	0	0	0	0	0	5
2	2	5	4	0	0	0	0	0	0	3	6	5	5	-	0	1	2	1	1	-	0	0	0	0	2
3	1	1	0	0	0	0	0	-	4	6	6	5	5	5	4	2	3	2	2	-	1	1	1	0	2
4	0	1	1	1	2	3	3	-	51	42	6	5	3	4	4	4	1	1	3	7	5	4	5	4	7
5	2	2	2	2	3	4	4	-	6	6	5	4	3	3	3	2	3	3	-	-	2	0	0	0	3
6	0	2	2	3	2	3	3	-	4	5	5	2	0	0	0	7	31	7	4	-	1	0	0	0	4
7	1	4	4	2	2	3	2	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	1
8	0	0	0	0	0	0	0	-	0	0	0	0	-	0	0	0	0	0	0	-	0	0	0	0	0
9	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	2	2	3	0	0	3	2	0	1
10	0	0	0	0	0	0	-	1	8	13	4	5	19	22	16	9	7	7	11	7	12	3	2	2	6
11	9	4	3	4	4	3	3	6	7	8	6	3	3	3	2	2	2	1	0	1	1	1	1	1	3
12	0	0	0	0	0	0	-	3	3	4	4	5	7	6	1	2	2	2	-	3	3	1	15	12	3
13	5	6	0	0	0	0	-	1	1	3	2	0	0	0	0	0	0	0	-	1	2	0	1	1	1
14	0	0	10	9	6	0	-	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2	3	4	5	5	*****
15	2	3	1	2	2	0	-	0	0	3	3	1	0	0	0	0	0	0	-	0	0	0	0	0	1
16	0	0	0	0	0	0	-	19	22	-	-	-----	-----	-----	-----	-----	-----	-----	-----	1	2	1	0	0	*****
17	2	1	0	0	-	-	-	4	3	0	0	0	3	0	-	-	-	-	-	-	-	-	-	-	*****
18																									
19																									
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	3	-	1	1	1	*****
21	0	0	0	2	9	25	-	6	3	1	1	5	41	50	23	3	4	4	-	5	3	1	2	2	9
22	2	0	0	0	0	5	-	6	3	5	3	-	4	2	2	0	3	3	-	4	6	4	3	2	3
23	1	2	2	2	2	2	-	4	5	6	7	7	16	11	10	7	9	5	-	5	5	3	2	5	5
24	10	12	-	9	19	21	-	5	5	4	4	8	7	5	7	9	10	10	-	3	3	0	1	7	8
25	-	10	13	21	19	18	-	11	6	4	3	1	2	2	4	4	6	5	-	0	0	0	6	18	7
26	28	31	32	32	33	28	-	18	19	9	2	5	3	3	0	-	-	5	-	-	-	-	-	-	*****
27																									
28																									
29	-	-	-	-	-	-	-	-	-	-	-	9	5	8	8	7	10	10	-	15	26	14	12	21	*****
30	18	13	14	11	9	8	-	8	9	10	7	6	7	8	9	4	5	9	-	8	7	5	4	4	8
31	5	3	6	4	5	7	-	9	8	5	5	5	5	3	0	0	1	3	-	0	0	0	0	0	3
MEAN	4	4	4	4	5	5	2	6	7	7	4	4	6	6	4	3	6	4	3	3	3	2	3	3	4.3

PERCENTAGE OF DATA VALID - 71.5

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 25.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB														UNITS - PARTS/BILLION																							
STATION - NMP NO 22902														TYNESIDE/CHIPPEWA RD BINBROOKE WEST												MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN												
1	0	0	0	0	0	0	-	0	0	0	0	0	1	1	2	0	0	2	-	2	-	-	-	-	-												
2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	3	3	3	-	1	0	0	0	0	0												
3	0	0	0	0	0	0	-	9	9	9	10	22	4	1	1	1	1	0	-	1	1	3	3	3	4												
4	1	2	3	4	4	2	-	2	10	1	1	1	1	1	1	1	1	1	-	0	1	1	1	2	2												
5	2	4	3	0	0	1	-	8	3	2	2	1	1	1	0	0	2	3	-	1	1	1	1	1	2												
6	4	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0												
7																									0												
8																									0												
9																									0												
10	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	2	0	0	-	1	1	0	0	0	0												
11	0	0	0	0	0	0	-	0	1	1	2	4	4	4	3	2	2	0	-	0	0	0	0	0	0												
12																									1												
13																									1												
14																									1												
15																									1												
16																									1												
17																									1												
18	0	0	0	0	0	0	-	0	1	1	2	4	4	4	5	-	8	7	-	2	2	2	1	2	0												
19	10	11	13	11	7	5	-	8	12	10	4	1	1	4	9	9	19	37	-	2	0	0	0	0	0												
20	0	0	0	0	0	0	-	2	4	3	2	2	2	3	4	4	4	1	-	1	1	1	1	1	2												
21	1	1	1	1	2	2	-	3	2	2	3	3	2	1	1	1	1	1	-	3	2	1	1	0	2												
22	0	0	0	0	0	0	-	4	5	8	8	7	4	7	6	4	5	6	-	4	4	4	4	4	4												
23	3	3	3	2	2	1	-	3	4	5	5	5	4	6	9	11	7	7	-	7	9	12	9	9	6												
24	11	14	17	14	13	11	-	5	8	10	8	8	11	13	15	16	20	19	-	17	17	16	16	17	13												
25	14	14	15	13	12	9	-	4	3	5	10	-	-	19	18	14	7	9	10	-	8	5	5	2	10												
26	4	7	9	10	10	11	11	-	6	7	7	7	7	7	8	8	6	5	5	-	10	6	6	4	7												
27	2	0	0	0	0	0	-	3	1	3	3	1	1	3	6	4	4	5	-	7	13	11	29	41	6												
28	25	28	2	1	2	0	-	25	7	1	1	1	0	0	0	8	0	0	-	0	0	0	0	0	5												
29	0	0	1	9	10	4	-	1	0	4	1	1	1	2	3	8	13	11	-	9	11	7	3	2	5												
30	1	0	0	0	0	10	-	1	3	3	2	1	0	0	18	3	3	3	-	1	0	0	0	0	2												
MEAN	4	5	4	4	4	3	11	5	5	5	4	4	3	4	6	5	5	6	8	3	4	4	4	5	4.5												

PERCENTAGE OF DATA VALID - 55.7

PERCENTAGE OF DATA INVALID - 7.5

PERCENTAGE OF DATA UNAVAILABLE - 36.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE - PPB														UNITS - PARTS/BILLION													
STATION - NMP NO 22902														TYNESIDE/CHIPPEWA RD BINBROOKE WEST													
MONTH - JUL 80																											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	1	0	0	0	-	1	1	3	4	4	3	6	10	6	3	2	-	3	3	2	1	8			
2	4	3	1	1	1	0	-	1	1	0	1	1	0	0	1	2	2	3	-	6	5	3	1	1	2		
3	0	0	4	13	7	14	-	11	8	5	3	1	4	6	7	5	1	0	-	0	0	0	0	0	4		
4	0	0	0	0	0	0	-	2	3	8	9	10	9	7	9	11	17	-	-	5	11	8	3	3	5		
5	2	2	2	2	5	5	-	5	4	3	2	0	0	2	3	3	0	0	-	0	0	0	0	0	2		
6	0	5	6	3	3	4	-	0	0	0	0	0	0	0	0	0	0	0	-	0	1	1	0	0	1		
7	0	0	0	0	0	0	-	1	2	3	3	4	2	2	11	3	3	3	-	7	13	7	8	9	4		
8	8	-	-	2	1	1	-	0	0	0	0	0	0	0	0	0	3	3	-	3	2	0	0	0	1		
9	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	*****		
10	0	0	0	0	0	0	-	5	7	7	6	7	7	7	7	13	11	11	-	3	3	3	0	0	4		
11	0	0	0	0	0	0	-	3	3	4	4	2	2	2	2	2	0	0	-	0	0	0	0	0	1		
12	3	5	9	9	4	0	-	18	13	5	0	0	0	2	2	0	0	0	-	2	3	7	10	5	4		
13	1	1	2	6	8	14	-	22	13	5	1	2	2	2	1	5	7	0	-	3	3	0	0	0	0		
14	0	0	0	0	0	0	-	2	2	3	3	2	2	3	10	99	16	10	-	7	7	9	8	6	9		
15	5	5	5	1	0	3	-	4	5	4	2	4	-	-	-	-	-	-	-	3	3	3	2	2	3		
16	0	0	0	0	0	0	-	2	2	2	1	0	0	2	2	2	2	2	-	1	2	1	0	0	1		
17	0	0	0	0	0	0	-	0	0	0	0	0	2	2	2	2	2	2	-	0	0	0	2	3	1		
18	0	0	0	0	0	0	-	6	5	4	2	3	9	21	22	13	5	5	-	2	2	1	0	0	5		
19	0	0	0	0	0	0	-	0	0	2	3	3	3	3	3	2	3	4	-	2	2	2	0	0	1		
20	0	0	0	0	0	0	-	3	4	4	5	5	3	3	2	3	6	4	-	3	3	3	0	0	2		
21	0	1	1	0	0	0	-	3	3	3	3	2	3	4	4	4	2	2	-	0	4	0	0	0	2		
22	0	0	0	0	0	0	-	1	1	1	8	9	2	0	0	0	0	0	-	2	2	4	5	0	2		
23	0	0	0	0	0	3	-	1	1	1	3	3	4	4	4	3	2	3	-	4	0	0	0	3	2		
24	0	0	0	2	3	3	-	0	0	0	-	4	4	6	6	1	2	3	-	0	0	0	-	-	2		
25	0	0	0	0	0	0	-	0	3	-	6	7	6	6	6	4	4	3	-	0	0	-	-	-	3		
26	-	-	-	-	-	-	-	0	2	2	3	0	2	2	0	-	-	0	-	-	-	-	-	-	*****		
27	-	-	-	-	-	-	-	0	-	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	*****		
28	-	-	-	-	-	-	-	-	-	-	-	3	1	2	3	7	13	14	-	3	2	2	0	0	0		
29	0	0	0	0	0	0	-	1	1	3	4	4	2	2	2	3	3	5	-	2	2	0	0	0	2		
30	0	0	0	0	0	0	-	2	2	2	2	2	1	2	4	4	2	2	-	0	0	0	0	0	1		
31	0	0	0	0	0	0	-	0	0	0	1	4	4	4	3	-	-	-	-	1	0	0	0	0	1		
MEAN	1	1	1	1	1	2	****	3	3	3	3	3	3	4	4	7	4	3	****	2	3	2	1	2	2.2		







## POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	12	7	4	6	7	-	17	17	17	14	16	16	10	8	7	7	6	-	5	4	10	31	46	12
2	14	0	0	0	0	0	-	0	0	0	0	0	-	-	-	-	-	-	-	0	0	0	0	0	1
3	1	1	1	0	1	4	-	0	0	0	2	3	3	22	9	5	2	17	-	2	4	1	0	0	4
4	0	0	0	0	0	0	-	1	1	1	1	1	1	2	4	5	6	4	-	1	1	1	0	0	1
5	0	0	0	0	0	0	-	0	0	0	1	2	2	2	2	2	2	1	-	0	0	0	0	0	1
6	0	0	0	0	0	0	-	0	1	1	2	1	0	0	0	1	1	0	-	1	1	1	0	0	0
7	0	0	2	7	1	1	-	1	7	6	4	3	-	5	3	2	1	0	-	0	0	1	1	1	2
8	0	2	3	2	2	3	-	5	6	7	7	7	5	6	7	8	3	1	-	0	0	0	0	0	3
9	5	8	14	15	15	16	-	20	19	16	28	17	26	27	17	12	10	4	-	4	10	10	10	12	14
10	12	13	9	8	7	8	-	7	6	4	2	3	4	4	6	5	3	3	-	3	3	2	2	2	5
11	3	5	6	3	4	3	-	3	3	3	5	2	2	0	0	0	0	0	-	0	0	1	1	1	2
12	1	1	1	1	1	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
13	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
14	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0
15	0	0	0	0	1	1	-	3	1	0	0	1	1	1	1	9	7	0	-	1	1	1	0	0	1
16	0	0	0	0	2	4	-	8	7	5	4	3	1	1	1	0	0	0	-	1	1	1	0	1	2
17	1	2	2	2	2	2	-	0	2	21	33	35	16	9	16	-	8	9	-	10	7	6	6	4	9
18	2	0	1	0	0	0	-	0	0	0	0	1	0	1	2	1	1	1	-	1	1	0	0	0	1
19	0	0	1	2	2	2	-	2	2	2	1	0	0	0	1	1	1	1	-	0	1	3	5	4	1
20	2	2	3	3	2	1	-	0	0	0	0	0	0	0	0	0	0	2	-	2	6	6	6	4	2
21	3	3	3	2	2	1	-	0	0	0	2	3	2	2	0	0	0	0	-	0	0	0	0	0	1
22	0	0	0	0	0	0	-	0	1	0	1	1	0	0	0	0	0	0	-	2	2	2	1	1	1
23	1	2	11	16	20	16	-	11	4	2	1	1	0	-	2	1	1	1	-	2	2	4	8	9	5
24	12	14	17	14	12	11	-	8	7	5	6	7	9	9	10	5	3	3	-	3	4	4	5	6	8
25	6	3	1	1	0	0	-	0	0	0	0	1	3	0	0	0	0	0	-	0	0	0	0	0	1
26	0	0	0	0	0	0	-	4	1	1	2	1	1	1	1	1	1	1	-	2	2	2	1	1	1
27	2	2	2	2	2	3	-	1	1	3	4	6	5	1	2	2	3	3	-	2	2	3	3	1	3
28	4	2	2	3	3	4	-	5	5	6	5	0	2	2	2	2	2	2	-	2	6	1	1	1	3
29	1	3	3	2	1	1	-	1	2	2	2	2	1	1	1	1	1	0	-	1	1	1	0	1	1
30	1	1	1	0	0	0	-	1	3	5	5	5	3	3	-	3	1	6	-	4	5	2	1	1	2
31	4	4	4	4	4	4	-	5	5	5	5	4	2	2	4	4	4	4	-	3	1	1	1	1	3
MEAN	3	3	3	3	3	3	****	3	3	4	4	4	4	4	3	3	2	2	****	2	2	2	3	3	3.0

PERCENTAGE OF DATA VALID - 90.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	-	3	2	2	3	3	2	2	2	1	1	1	1	1	-	-	-	-	2
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	10	11	11	7	10	7	-	2	1	2	2	2	3	4	6	6	4	2	-	5	1	2	2	2	5
5	1	1	1	1	1	1	-	1	0	1	1	2	3	2	2	1	2	2	-	1	0	0	0	0	1
6	0	0	0	1	3	4	-	11	8	3	2	1	5	4	4	2	2	2	-	2	3	3	4	5	3
7	8	9	10	10	9	7	-	6	8	9	11	14	16	17	14	8	8	6	-	5	3	2	1	0	8
8	0	0	3	4	4	2	-	1	1	8	11	4	3	-	2	1	1	1	-	1	2	5	8	7	3
9	6	3	2	2	3	3	-	15	13	9	6	6	5	2	1	0	0	0	-	2	2	1	1	1	4
10	0	0	2	0	1	0	-	0	1	1	1	1	0	0	0	0	0	0	-	3	2	0	0	0	1
11	0	0	0	0	0	0	-	0	0	0	-	3	1	1	1	2	2	3	-	0	0	0	0	0	1
12	0	0	0	3	6	8	-	1	6	9	14	11	5	2	1	1	1	1	-	1	1	0	0	1	3
13	1	1	1	1	1	8	-	12	11	16	30	20	12	13	14	15	15	15	-	11	10	10	10	10	11
14	9	8	5	5	5	5	-	3	2	4	1	0	0	0	0	3	5	5	-	3	3	8	11	17	5
15	12	13	12	14	12	4	-	2	5	6	2	0	1	1	1	1	1	1	-	1	2	4	6	8	5
16	5	5	8	6	7	8	-	2	3	13	11	5	4	5	5	6	6	5	-	9	5	3	3	3	6
17	4	3	5	15	20	10	-	8	5	87	28	12	8	6	1	2	2	2	-	3	4	7	6	4	11
18	18	22	19	5	3	8	-	12	8	8	14	16	3	3	3	4	4	3	-	4	3	5	4	2	8
19	1	1	1	1	1	1	-	1	1	0	1	9	-	-	11	8	5	4	-	2	2	4	7	7	3
20	4	2	2	2	2	4	-	6	6	6	10	11	12	13	21	30	10	6	-	10	19	24	17	14	11
21	14	25	32	27	22	20	-	11	8	6	4	4	3	1	1	0	0	0	-	1	2	2	1	1	8
22	1	1	2	2	0	1	-	8	10	12	5	3	4	3	6	8	17	16	-	4	4	6	8	8	6
23	5	6	8	14	15	14	-	34	48	43	33	35	31	40	18	18	17	14	-	16	11	10	10	11	21
24	14	12	10	8	6	5	-	5	5	6	8	12	17	13	5	2	2	2	-	0	0	0	0	0	6
25	0	0	0	0	0	0	-	1	3	6	3	1	1	1	1	1	1	1	-	0	1	1	2	3	1
26	1	0	0	0	0	0	-	4	3	4	3	2	4	3	2	1	1	0	-	1	1	2	3	3	2
27	5	5	9	15	16	33	-	11	6	4	6	6	4	2	7	5	3	5	-	8	4	3	2	3	7
28	3	2	2	2	3	4	-	3	3	4	7	6	4	2	3	4	4	5	-	7	5	5	5	5	4
29	5	5	5	5	3	4	-	3	3	4	4	4	4	4	5	4	4	1	-	0	1	0	0	0	3
30	1	1	2	2	2	2	-	3	3	3	1	0	2	2	2	14	7	2	-	5	2	4	3	2	3
MEAN	5	5	5	5	6	6	****	6	6	10	8	7	6	5	6	6	5	4	1	4	4	5	5	5	5.6

PERCENTAGE OF DATA VALID - 86.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 14.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE - PPB															UNITS - PARTS/BILLION										
STATION - NMP NO 22902 TYNESIDE/CHIPPEWA RD BINBROOKE WEST															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	3	1	1	-	3	3	3	5	3	3	3	3	2	2	3	-	2	3	3	4	5	7
2	7	8	6	7	6	5	-	8	5	8	-	11	19	20	16	4	3	2	-	0	1	1	0	0	7
3	3	6	7	6	6	6	-	2	3	5	4	2	0	0	0	0	0	0	-	0	0	0	0	1	2
4	2	2	3	4	16	13	-	55	39	32	18	7	0	0	0	0	0	0	-	0	0	0	0	1	9
5	4	6	7	10	10	10	-	7	12	10	5	4	3	2	1	1	1	1	-	0	0	0	0	0	4
6	11	0	4	5	6	13	-	4	3	6	8	16	12	4	3	3	3	3	-	2	4	6	10	10	6
7	1	11	11	11	12	12	-	9	10	11	8	8	6	4	5	4	3	3	-	3	3	3	2	2	7
8	-	1	1	1	1	1	-	8	7	-	8	8	9	8	7	4	2	1	-	0	0	0	0	0	3
9	0	0	2	2	1	1	-	0	0	0	0	2	1	1	1	1	2	3	-	3	3	0	0	1	1
10	7	8	5	1	1	1	-	1	2	2	9	7	2	2	4	5	6	3	-	1	1	1	0	1	3
11	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	3	-	9	11	8	8	9	2
12	5	5	6	6	7	13	-	10	8	8	8	10	13	16	15	15	13	14	-	7	6	4	2	1	9
13	1	2	1	1	2	2	-	0	0	0	2	2	3	7	8	1	0	0	-	0	0	0	3	3	2
14	1	1	1	1	1	1	-	1	1	1	1	0	0	0	0	0	0	0	-	0	0	0	0	0	0
15	0	0	0	0	0	0	-	0	0	5	8	9	8	9	-	-	-	-	-	-	-	-	-	-	*****
16	- DATA UNAVAILABLE -																								
17	- DATA UNAVAILABLE -																								
18	- DATA UNAVAILABLE -																								
19	- DATA UNAVAILABLE -																								
20	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	0	0	0	-	0	0	0	0	*****
21	1	1	1	0	0	0	0	-	1	1	1	1	1	1	1	1	1	1	0	-	0	1	0	0	1
22	2	5	10	16	14	11	9	-	5	5	6	7	9	9	9	8	6	-	-	-	-	-	-	-	8
23	- DATA UNAVAILABLE -																								
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	9	6	6	3	5	*****
25	6	9	20	10	12	10	-	4	4	9	7	5	6	6	6	4	4	10	-	3	3	4	5	5	7
26	5	5	5	8	11	13	-	17	22	22	18	16	17	17	18	18	16	13	-	14	14	15	15	15	14
27	14	16	16	15	15	13	-	17	18	13	33	36	23	15	19	22	26	25	-	28	35	32	27	25	22
28	22	21	20	20	19	18	-	18	16	18	23	24	28	37	38	44	39	40	-	52	53	48	46	44	31
29	46	43	35	35	32	32	-	36	40	35	35	34	36	37	33	24	16	28	-	-	-	-	-	-	34
30	- DATA UNAVAILABLE -																								
31	-	-	-	-	-	-	-	-	-	-	12	6	7	5	3	3	5	6	-	4	7	10	9	8	*****
MEAN	6	7	7	7	8	8	5	10	9	9	10	9	9	9	8	7	6	7	0	7	7	6	6	6	7.7

PERCENTAGE OF DATA VALID - 66.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 34.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	15	6.9	16	59
FEB	21	11.0	25	79
MAR	DATA UNAVAILABLE			
APR	8	6.4	13	50
MAY	21	4.3	9	51
JUN	17	4.5	13	41
JUL	27	2.6	9	59
AUG	28	2.5	6	35
SEP	19	3.9	13	64
OCT	31	3.0	14	46
NOV	28	5.6	21	87
DEC	21	7.7	34	55
YEAR	236	5.0	34	99



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE - PPB

UNITS - PARTS/BILLION

STATION - NMP NO 22902 TYNESIDE/CHIPPEWA RD BINGROOKE WEST

MONTH	0 TO 50	50 TO 100	101 TO 150	151 TO 200	201 TO 250	251 TO 300	301 TO 400	401 TO 500	TOTAL
JAN	344	2	0	0	0	0	0	0	346
FEB	503	6	0	0	0	0	0	0	509
MAR	DATA UNAVAILABLE								
APR	214	0	0	0	0	0	0	0	214
MAY	531	1	0	0	0	0	0	0	532
JUN	401	0	0	0	0	0	0	0	401
JUL	615	1	0	0	0	0	0	0	616
AUG	630	0	0	0	0	0	0	0	630
SEP	418	2	0	0	0	0	0	0	420
OCT	672	0	0	0	0	0	0	0	672
NOV	618	1	0	0	0	0	0	0	619
DEC	488	3	0	0	0	0	0	0	491
YEAR	5434	16	0	0	0	0	0	0	5450

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
67.8	0	0.0	0.2	1.9	4.8	13.1	18.6	29.0	35.9	99	5.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST KITCHENER

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	3	2	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
6	1	1	0	0	0	0	1	2	2	2	1	0	1	1	1	1	1	0	0	0	0	0	1	1	1
7	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
8	DATA UNAVAILABLE																								
9	DATA UNAVAILABLE																								
10	DATA UNAVAILABLE																								
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	1	2	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	1	1	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1
26	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
28	DATA INVALID																								
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	3	3	3	3	3	2	2	2	2	2	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2
MEAN	1	1	1	1	0	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 79.7

PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 11.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	2	2	1	2	2	2	1	2	2	2	2	3	3	3	2	2	1	1	1	2
3	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	2	1
4	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	1	2	1	1	2	2	1	3	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
6	0	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	1	1	4	6	5	5	4	3	2	2	4	2	1	4	3	2	2	2	3	2	2	2	3
9	3	4	4	4	4	4	4	4	4	5	3	2	1	0	0	0	1	2	3	2	1	1	1	1	2
10	0	0	0	0	0	0	0	4	4	2	2	2	2	1	1	1	0	0	1	0	0	0	0	1	1
11	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	2	3	3	2	2	1	0	1	1	1	1	1	1	1	1	1	1
14	2	2	2	3	4	3	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
15	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
20	2	3	2	3	3	4	4	4	5	5	5	3	3	2	1	1	2	2	2	2	2	2	2	2	3
21	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	1	0	0	0
23	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1
24	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0
29	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - MAR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	
2	2	1	1	2	1	1	1	1	3	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1
3	2	2	2	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0	1	1	1	1
4	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	2	3	2	1
5	1	1	1	1	1	1	1	1	2	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
7	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1	1	1
8	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	2	3	2	1	0	0	1	1	1	0	0	0	0	1	1	1
10	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	2	2	1	1	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
13	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0
14	0	0	1	1	3	3	2	1	0	0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
16	0	0	1	2	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
19	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
20	3	2	2	2	1	1	1	2	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	1	2	4	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	4	4	6	5	4	3	1	1	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
26	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	1	1	1	0	1	1	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	1
28	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	3	3	1	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	2	2	1	0	0
5	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	3	4	2	0	0	1
6	0	2	3	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0
12	1	1	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
13	1	2	2	2	2	3	3	2	2	1	1	1	1	1	1	2	2	2	2	3	3	5	5	4	2
14	5	4	3	3	3	3	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0
17	0	0	0	0	1	1	2	3	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	0	1	1	0	0	1	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	2	1	1
25	2	2	2	1	1	1	3	1	1	1	2	0	2	1	1	1	1	1	1	1	0	1	2	2	1
26	1	1	1	1	1	1	2	2	2	1	1	0	0	0	1	1	1	1	0	1	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.4

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST												KITCHENER MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0
3	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	2	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
6	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	1	1	2	1	1	1	2	1
8	2	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0
9	0	0	1	0	1	1	1	2	2	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1
10	1	1	1	1	0	1	1	3	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
13	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	1	1	0	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
26	1	0	0	0	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	0	0	0	1	1	1	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER											MONTH - AUG 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	1	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	***	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	***	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20	0	1	0	0	0	0	1	2	2	2	1	0	1	0	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0
24	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	3	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	****	****	0	1	1	1	1	1	0	0	0	0	0	0	0
29	1	1	1	1	0	1	1	1	2	3	3	2	1	1	1	1	1	1	1	0	0	0	1	1	1
30	1	1	2	2	1	1	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER											MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	2	3	3	2	2	2	0	0	0	1
5	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	----	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	1	0	0	0	1	1	2	2	4	4	4	2	1	1	1	1	1	1	1	1	1
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	0
14	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1
16	1	1	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1
18	1	1	1	0	0	1	2	3	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
19	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1
21	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	1	2	1	----	----	1	1	1	1	1	0	0	0	0	0	0	1	1
25	0	0	0	0	0	1	1	0	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	2	2	1	1	1	1	1	0	0	1	1	0	1	1	0	1	0	1
30	1	1	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	1	1	1	1	1	0	0	1
MEAN	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - OCT 80																			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0									
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0									
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
7	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0									
9	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1									
10	1	1	2	2	2	2	1	3	4	4	1	1	1	3	3	2	2	2	2	1	1	1	1	1	2									
11	2	3	3	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1									
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
13	- DATA INVALID -															0	0	0	0	0	0	0	0	0	0									
14	- DATA INVALID -															1	1	1	1	1	1	1	1	1	1									
15	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	2	2	2	2	3	3	4	4	1									
16	- DATA INVALID -															0	0	0	0	0	0	0	0	0	0									
17	- DATA INVALID -															0	0	0	0	0	0	0	0	0	0									
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
20	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0									
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1									
23	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0									
24	0	0	0	0	0	0	0	0	0	1	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1									
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1									
28	2	2	3	2	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	2	2	2	2	2	1									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
30	- DATA UNAVAILABLE -															-	-	-	-	-	-	-	-	-	-	-	-	-	-					
31	- DATA UNAVAILABLE -															-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MEAN	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4									
PERCENTAGE OF DATA VALID - 80.5															PERCENTAGE OF DATA INVALID - 11.4										PERCENTAGE OF DATA UNAVAILABLE - 8.1									

PERCENTAGE OF DATA VALID - 80.5 PERCENTAGE OF DATA INVALID - 11.4 PERCENTAGE OF DATA UNAVAILABLE - 8.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - NOV 80																			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	- DATA UNAVAILABLE -																																	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	1	1	1	1	2	1	1									
3	1	0	1	0	0	0	0	0	1	2	3	4	4	4	5	7	6	5	4	3	2	1	1	1	2									
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0									
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
7	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	1	9	5	1	1	0	0	0	0	1									
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
9	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
12	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	1	1	1	2	2	0									
13	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0									
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0									
15	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
16	0	0	0	0	1	5	4	2	1	1	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1									
17	3	2	3	1	2	3	1	1	2	2	1	0	1	1	1	3	2	1	1	0	0	0	0	0	1									
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0									
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
20	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1									
21	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0									
23	0	0	0	0	1	1	0	1	2	2	2	3	3	2	2	2	2	2	1	0	0	0	1	1	1									
24	0	0	1	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0									
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
26	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1									
27	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
MEAN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0.4									
PERCENTAGE OF DATA VALID - 95.8															PERCENTAGE OF DATA INVALID - 0.8										PERCENTAGE OF DATA UNAVAILABLE - 3.3									

PERCENTAGE OF DATA VALID - 95.8 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 3.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	2	2	1	2	1	1	0	0	0	0	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	1	0	0	0	2	4	0	0	0	0	1	1	1	2	3	3	1	0	0	1
5	0	2	2	2	1	2	2	2	2	2	2	1	1	1	1	0	0	0	0	1	1	1	1	2	1
6	1	2	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1
7	0	0	1	1	1	1	2	2	1	1	1	2	2	3	3	3	3	1	2	0	0	0	0	0	1
8	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	2	3	***	1	2	2	2	2	1	1	1	1	1	1	1	1	1
16	1	1	1	2	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	1	1	1	1	1	2	3	2	1	1	2	1	1	1	1	1	1	1	1	2	3	4	1
23	5	5	6	6	6	5	5	4	4	4	4	4	3	3	3	2	1	1	1	2	3	3	2	2	4
24	3	3	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
25	1	0	0	0	0	1	2	4	1	1	2	2	2	2	2	2	2	0	0	1	0	0	0	0	1
26	0	1	0	0	1	0	0	0	1	1	2	2	2	2	2	2	2	3	3	3	2	1	1	1	4
27	5	4	4	6	6	8	8	6	7	8	5	3	2	2	2	2	2	4	4	4	5	7	7	4	3
28	2	3	4	4	3	6	3	5	7	4	5	3	3	3	3	4	4	4	4	4	5	7	7	4	3
29	4	5	5	4	3	3	3	4	7	5	2	2	2	2	2	2	2	1	2	1	1	1	1	0	3
30	0	0	0	0	0	0	0	0	0	1	1	***	1	0	0	0	0	0	1	0	0	0	0	0	0
31	0	0	1	2	1	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1990

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	0.6	2	4
FEB	29	0.9	3	6
MAR	31	0.5	1	6
APR	30	0.7	2	5
MAY	31	0.4	2	8
JUN	30	0.4	2	5
JUL	31	0.4	1	3
AUG	31	0.2	1	3
SEP	30	0.4	1	4
OCT	23	0.4	2	4
NOV	29	0.4	2	9
DEC	31	0.9	4	8
YEAR	350	0.5	4	9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	593	0	0	0	0	0	0	0	593
FEB	687	1	0	0	0	0	0	0	688
MAR	734	1	0	0	0	0	0	0	735
APR	711	0	0	0	0	0	0	0	711
MAY	731	3	0	0	0	0	0	0	734
JUN	713	0	0	0	0	0	0	0	713
JUL	737	0	0	0	0	0	0	0	737
AUG	739	0	0	0	0	0	0	0	739
SEP	715	0	0	0	0	0	0	0	715
OCT	599	0	0	0	0	0	0	0	599
NOV	687	3	0	0	0	0	0	0	690
DEC	726	16	0	0	0	0	0	0	742
YEAR	8372	24	0	0	0	0	0	0	8396

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.6	0	0.0	0.0	0.0	0.2	1.0	1.7	2.7	3.5	9	0.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037

NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	1	1	1	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	2	1	1	0	0	0	1	1	1	1
4	0	0	0	0	0	0	0	0	3	1	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0
5	0	0	0	1	***	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	1	2	1	1	0	1	1	1	1	1	2	1	1	3	1	2	2	2	3	1
7	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
10	0	0	1	0	1	1	2	2	2	2	2	1	1	2	4	1	1	1	1	1	2	2	2	2	1
11	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	5	8	5	3	2	2	1	1	1	2	1	0	0	0	0	0	1	1	1	1	1	2	1	1	2
14	1	2	1	1	1	0	0	0	1	2	2	2	2	2	2	2	2	1	2	3	2	1	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	***	1	1	1	1	1	2	1
17	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	4	0	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	2	1	1	2	3	2	2	1
22	2	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	2	1	***	0	1	0	***	0	1	3	0	0	0	0	2	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	1	1	1	2	3	0	1	3	2	1	1	2	-	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
5	0	1	2	2	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	3	4	5
6	3	4	4	3	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1
7	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	3	6	2	1	1	2	1	1	6	3
8	3	4	3	1	1	1	2	2	3	0	0	0	0	3	2	2	1	1	3	2	1	3	1	1	2
9	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1
10	1	0	0	0	0	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1	1	1	1	0
13	0	1	1	1	1	1	2	1	1	0	0	0	0	0	0	1	1	3	1	1	1	2	3	3	1
14	3	4	2	1	1	1	1	1	1	1	1	3	0	1	0	0	0	0	0	0	0	0	0	0	2
15	0	0	0	0	0	1	1	1	1	1	1	1	2	3	2	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	5	6	6	6	5	4	4	3	4	4	3	3	4	4	4	3	1	1	2	3	3	2	2	4	1
20	6	4	9	9	6	6	6	5	7	4	1	4	4	4	5	4	2	2	2	2	2	2	2	2	4
21	2	2	2	2	2	2	3	3	3	4	4	4	2	2	2	1	1	1	0	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	2	1	1	1	0	1	1	2	1	2	3	4	4	5	6	5	5	4	4	4	3	2	1	3
25	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
27	1	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1
28	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1
29	0	0	0	0	1	1	1	1	2	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	1	0	2	2	2	0	0	3	1	3	2	2	2	1	2	1	2	0	1	1
2	0	1	1	0	0	0	0	0	1	1	0	0	2	3	1	1	1	0	1	1	0	0	0	0	1
3	0	0	0	0	0	0	3	3	1	1	1	2	4	1	0	0	0	0	0	0	0	0	0	1	1
4	1	1	2	3	3	3	3	3	3	3	3	4	7	4	1	0	2	5	7	2	1	1	1	1	3
5	2	3	3	3	3	3	2	4	7	0	1	2	2	2	2	2	2	2	2	1	1	3	3	2	3
6	1	1	1	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	2	3	1
7	3	4	4	4	2	2	2	3	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	2
8	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	2	2	1	1	2	1	1	1	2	2	1	3	3	1	2	2	3	2	3	2	2	1	2	2	2
10	2	2	2	2	2	2	3	3	3	3	2	2	2	2	1	2	1	1	1	1	1	1	1	1	2
11	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
12	0	0	0	0	0	0	1	5	1	1	1	6	0	4	3	5	2	1	1	0	0	0	0	0	0
13	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	2	1	2	1	1	2	1
14	2	1	1	2	3	4	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	2	1	1
16	1	2	3	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	4	5	2	1
17	4	3	2	2	2	1	2	2	2	2	3	0	0	0	0	0	0	0	1	1	1	1	0	1	1
18	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	1	3	3	3	3	2	0	0	0	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1
23	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	2	0	0	0	1	0	0	0	1
26	0	0	0	1	1	1	1	0	0	0	1	0	1	1	1	0	C	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - WC NO 27037					NORTH/GENEVA STREET, ST. CATHARINES										MONTH - APR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
2	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	4	0	0	0	0	1	0	0	1
19	0	2	1	0	0	0	1	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
20	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	2	2	0	3	3	3	2	3	3	3	2	2	3	3	2	2	2	-	-	2	2
22	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
30	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 93.2

PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - WC NO 27037					NORTH/GENEVA STREET, ST. CATHARINES										MONTH - MAY 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0
29	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037

NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	0	1	1	2	2	2	3	2	1	3	2	2	1	1	1
5	1	1	1	1	0	0	1	1	5	***	***	1	0	0	0	0	1	0	0	0	0	0	0	0	1
6	1	1	5	1	0	0	1	1	2	2	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	2	1
14	1	1	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0	0	0	0	0	0	1
15	0	2	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	3	3	3	0	0	0	0	0	0	3	3	0	1	0	0	0	0	0	0	0	0	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	1	***	1	0	0	0	1
26	0	0	0	0	0	1	0	1	0	1	1	2	2	3	2	2	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 1.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037

NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 93.0

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	0	1	1	1	1	2
6	1	1	1	0	0	1	1	1	1	1	1	0	1	0	1	0	0	0	2	1	1	0	1	0	1
7	1	1	0	0	1	0	0	0	1	0	1	0	1	1	1	0	0	1	1	1	1	1	0	1	1
8	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1
9	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0
10	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	1	1	1	1	2	2	1
11	1	1	0	0	0	1	1	1	1	0	1	1	0	2	0	1	0	1	1	1	1	1	1	2	1
12	1	2	1	2	2	2	2	1	0	0	3	0	0	0	0	1	0	1	1	0	0	0	0	0	1
13	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1
26	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2
27	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 93.7

PERCENTAGE OF DATA INVALID - 5.9

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES											MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	1	1	2	3	4	2	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	.....	.....	.....	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0
14	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
16	3	3	4	4	3	3	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	0
20	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
23	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
24	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
25	1	1	0	0	1	0	0	0	0	1	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES												MONTH - OCT 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	***	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
10	2	2	2	2	1	3	1	2	2	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1
11	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
17	1	1	0	1	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	***	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \* \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0
9	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	2	1	0	0	0	1	3	1	2	2	1	1	1	2	1	1	1	1	1	1	1
14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17	1	2	2	1	1	1	1	2	1	2	2	2	2	1	0	0	0	0	0	0	1	1	0	0	1
18	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	1	2	4	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	1	2	3	3	2	0	0	1	2	2	1	1	0	0	0	0	0	1	1	1	1
24	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \* \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	0	3	0	0	0	0	0	0	2	1	2	2	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
5	2	2	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	1	1	1	1	1	1	1	1	1	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	1	0	0	0	0	0	0	0	0	0
18	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2
27	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3
28	3	4	3	1	2	1	2	1	2	1	2	2	2	2	2	3	4	5	5	4	4	4	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3
30	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
MEAN	1	1	1	1	1	0	1	0	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	2	8
FEB	28	1.2	4	9
MAR	31	1.0	3	9
APR	27	0.3	2	6
MAY	30	0.1	1	5
JUN	30	0.3	1	8
JUL	28	0.3	1	8
AUG	29	0.5	2	4
SEP	30	0.3	2	4
OCT	31	0.1	1	5
NOV	30	0.2	1	4
DEC	31	0.6	3	5
YEAR	356	0.4	4	9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037

NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	738	1	0	0	0	0	0	0	739
FEB	650	14	0	0	0	0	0	0	664
MAR	732	5	0	0	0	0	0	0	737
APR	670	1	0	0	0	0	0	0	671
MAY	712	0	0	0	0	0	0	0	712
JUN	687	1	0	0	0	0	0	0	688
JUL	690	2	0	0	0	0	0	0	692
AUG	697	0	0	0	0	0	0	0	697
SEP	714	0	0	0	0	0	0	0	714
OCT	736	0	0	0	0	0	0	0	736
NOV	712	0	0	0	0	0	0	0	712
DEC	721	0	0	0	0	0	0	0	721
YEAR	8459	24	0	0	0	0	0	0	8483

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.6	0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	3.4	9	0.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042

NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
13	1	1	1	1	1	1	1	2	2	4	4	3	3	4	5	5	4	5	4	3	2	2	2	2	3
14	2	2	2	1	1	2	2	3	3	3	3	3	3	3	4	5	4	5	4	3	2	2	2	2	3
15	2	2	2	2	2	2	2	2	2	3	3	4	5	5	4	3	3	2	2	2	2	2	1	1	3
16	2	1	1	1	1	2	2	2	2	2	3	3	3	3	10	1	1	1	1	1	1	1	1	1	3
17	0	0	2	23	4	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	3
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2
19	0	2	0	0	0	0	0	1	1	1	2	1	1	1	1	2	2	2	2	1	1	1	1	1	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	2	44	40	9	14	3	1	1	1	1	1	5
21	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	2	4	3	3	3	3	3	3	3	3	2	2	2	2	3
24	3	2	1	1	0	0	2	2	2	3	3	4	3	3	5	5	5	4	4	2	2	2	1	1	2
25	2	2	1	1	1	1	5	3	3	2	2	2	3	7	4	3	2	3	3	3	2	2	2	1	3
26	1	1	0	0	0	0	1	2	3	3	3	2	2	2	3	3	3	3	3	3	4	8	2	1	2
27	1	1	0	0	62	52	45	22	14	13	22	55	14	5	3	3	3	1	1	1	0	11	3	14	1
28	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	2	3	3	3	1	2	2	4	2	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	10	28	8	0	2	1	1	2	2	2	2	2	2	2	3
MEAN	1	1	1	2	4	3	3	2	2	2	3	6	4	2	4	5	2	3	3	2	2	4	2	1	2.7

PERCENTAGE OF DATA VALID - 64.9

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 34.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 27042															MONTH - JUL 80									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	1	2	2	2	2	2	1
2	2	2	2	2	2	2	2	2	1	2	2	3	2	3	6	6	4	6	3	3	3	3	3	3
3	0	0	0	0	0	0	0	0	0	0	2	2	3	4	15	12	15	3	3	5	3	2	2	3
4	1	1	1	1	1	0	0	1	1	1	1	2	3	5	5	4	5	4	4	4	4	4	4	2
5	2	2	2	2	2	2	2	3	3	3	4	2	2	2	3	6	15	48	17	6	13	23	6	7
6	4	3	1	2	3	10	10	14	14	23	6	10	31	9	36	15	54	17	21	8	5	6	3	13
7	2	2	2	2	2	0	0	1	1	1	1	1	1	1	2	3	4	4	4	4	4	4	4	2
8	2	2	2	1	1	1	2	3	3	4	4	4	22	22	5	4	4	4	5	10	11	7	8	7
9	6	6	4	2	1	2	8	12	63	2	2	3	3	3	4	5	9	9	3	3	3	3	3	7
10	0	0	0	0	0	0	0	0	7	6	2	6	2	2	2	4	4	4	4	4	5	5	5	3
11	3	3	3	3	3	3	3	3	3	3	5	3	3	3	8	20	19	22	11	7	17	28	27	9
12	9	4	4	3	3	3	4	13	28	17	8	17	6	5	3	4	4	4	4	3	3	3	3	7
13	99	39	19	26	46	15	30	28	4	4	4	2	3	4	3	6	8	9	5	5	5	5	5	16
14	3	3	3	3	3	3	3	3	1	2	2	2	3	3	4	4	4	4	5	5	5	5	5	5
15	2	2	2	2	2	2	2	2	2	1	0	0	1	2	2	3	2	2	2	2	2	2	0	2
16	0	0	0	0	0	0	0	0	0	0	7	2	1	18	28	8	3	4	4	2	1	0	0	3
17	0	0	0	0	0	0	0	0	0	0	0	0	3	27	12	12	72	11	2	2	3	19	2	7
18	5	0	10	139	17	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7
19	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	5	3	3	3	3	2	2	2	1
20	0	0	0	0	0	0	0	1	1	2	3	3	2	16	3	3	3	3	3	3	3	3	3	2
21	0	0	0	4	0	0	1	1	0	0	3	2	***	1	2	3	3	3	2	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	0	0	5	1	3	8	54	11	79	4	0	98	20	6	3	3	1	39	5	2	14
24	1	5	3	0	0	0	0	0	0	0	0	1	2	4	9	2	2	2	2	3	3	2	1	1
25	0	0	0	0	0	0	0	1	1	***	1	1	1	1	1	1	2	2	2	3	2	1	1	1
26	1	1	1	1	1	1	1	1	1	1	2	6	6	4	12	5	5	4	3	3	2	2	1	1
27	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0
29	0	0	0	0	0	0	1	15	16	4	2	0	***	1	3	5	1	1	3	3	3	3	3	3
30	0	0	0	0	0	0	2	5	2	68	74	88	16	19	18	18	90	18	1	1	0	0	0	18
31	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	4	2	2	2	1	1	1	1
MEAN	5	2	2	6	3	2	2	4	5	4	4	7	7	6	9	5	9	6	6	4	4	4	4	4.8

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 27042															MONTH - AUG 80									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	15	2	2	1	1	***	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1	0	1
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	1	5	2	1
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	0	0	0	0	0	1	1	1	2	2	2	3	3	3	3	3	2	2	1	1	1	1
6	0	0	0	0	0	0	0	0	***	4	4	4	4	5	5	4	4	3	3	2	3	3	3	3
7	3	2	3	2	2	2	2	2	3	3	3	3	4	4	4	4	5	6	5	3	3	3	3	3
8	4	12	4	3	2	2	2	2	***	2	3	3	3	3	3	3	3	3	3	3	3	2	2	3
9	2	2	2	2	5	19	8	11	96	58	8	14	38	43	56	22	17	68	6	4	3	5	4	21
10	2	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	2	1	1	2	1	2	2	2	1	1	0	1	1	2	3	3	3	2	2	2	1	2	2
12	2	2	84	68	5	39	4	3	2	2	3	3	2	2	3	10	10	18	13	42	90	79	14	21
13	5	3	3	2	2	2	2	48	***	7	11	12	12	24	2	2	2	2	2	1	1	1	0	6
14	1	2	1	1	1	1	1	1	1	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2
15	5	7	4	16	38	24	7	4	6	14	14	22	10	13	5	7	2	2	2	2	3	5	8	13
16	16	20	10	44	22	11	6	5	4	4	3	6	8	5	5	3	5	13	7	16	88	14	3	13
17	3	2	2	2	2	1	1	1	2	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	1	1	2	2	3	2	2	3	3	3	3	3	3	3	2	2	2	2	2
19	2	2	2	2	2	2	2	2	***	2	2	3	4	20	5	2	2	2	1	0	0	0	0	3
20	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21	***	***	***	***	***	***	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***
22	0	0	0	0	0	2	1	0	1	0	0	0	0	0	1	0	0	0	5	0	6	3	1	1
23	0	2	1	1	1	55	8	2	3	0	0	0	1	0	0	***	***	***	***	***	***	***	***	5
24	0	0	0	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
25	0	0	0	0	0	0	***	***	***	0	0	1	2	2	***	1	1	1	1	1	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	3	1	1	1	0	0	0	3
27	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	2	3	***	1	1	2	3	3	2	2	2	2	2	2	2	2
29	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	5	6	3	5	3	4	6	4	2	3	4	5	3	3	5	3	3	6	6	5	5	4.0

PERCENTAGE OF DATA VALID - 86.6 PERCENTAGE OF DATA INVALID - 13.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042

NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****	****	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	0	2	46	67	54	10	7	21	2	3	4	2	2	2	2	2	1	1	0	0	0	10
4	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	3	2	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	****	2	2	2	2	1	1	1	1	1	1	0	1
6	0	0	0	0	0	0	0	0	0	1	2	8	4	5	7	5	4	4	2	2	1	1	2	3	1
7	1	0	0	0	0	0	0	0	0	1	21	15	10	17	3	4	4	2	2	2	2	2	2	2	4
8	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	4	2	1	1	1	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	1	1	****	1	1	1	3	14	7	6	9	85	14	12	6
10	10	11	4	4	8	5	2	1	15	13	16	7	1	1	2	0	0	0	0	0	0	0	0	0	4
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	****	****	****	****	****	****	****	****	****	****	7	7	6	6	6	6	6	6	6	6	6	5	5	5	****
13	4	3	2	2	2	1	1	1	2	3	3	3	1	1	1	2	2	2	0	1	1	1	1	1	2
14	1	1	1	1	1	2	2	2	2	1	1	75	17	17	7	7	4	4	3	3	3	2	2	2	7
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	****	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	1	14	9	32	17	14	15	12	25	8	4	3	3	7
18	2	2	2	2	1	1	4	4	3	2	1	2	1	1	1	2	2	2	2	1	1	1	1	0	2
19	0	0	0	0	0	0	0	0	1	1	17	16	13	14	5	5	4	****	****	****	****	****	****	****	5
20	****	****	****	****	****	****	****	****	****	****	****	****	****	1	2	3	4	4	3	3	3	3	3	3	****
21	3	3	3	2	2	2	2	2	2	2	3	3	4	4	4	****	****	****	****	****	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	2	2	2	0	0	0	0	0	0	0	1	5	3	2	2	2
23	2	2	8	11	6	24	14	11	4	3	4	0	2	2	****	3	3	3	2	2	1	2	2	2	5
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	1
25	1	1	1	1	1	1	1	3	8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	1	1	1	1	1	1	1	1	1	1	****	0	0	1	1	1	1	1	1	1	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	3	25	29	33	65	35	89	16	16	16	4	2	1	1	1	2	2	2	2	2	0	0	0	14
29	0	0	0	0	0	0	1	0	1	0	1	1	1	1	2	5	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	1	****	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
MEAN	1	1	2	2	2	5	5	7	3	4	5	5	4	3	3	3	3	3	2	3	2	4	2	2	3.1

PERCENTAGE OF DATA VALID - 91.1

PERCENTAGE OF DATA INVALID - 8.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042

NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	4	4	4	4	3	3	4	4	4	3	3	5	5	4	3
2	4	4	4	17	6	3	3	3	3	3	3	3	2	2	5	6	17	6	4	3	3	2	2	2	5
3	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
7	1	1	1	2	1	1	2	2	7	11	10	****	****	7	2	2	2	2	1	0	0	0	0	0	2
8	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	2	2	2	2	2	5	15	27	20	3
9	28	5	3	2	2	2	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	3	3	3	2	****	****	1	2	****
17	1	1	1	2	3	4	4	4	4	4	****	****	****	****	1	1	2	2	2	2	2	2	1	2	2
18	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	1
20	1	2	5	5	2	2	2	13	38	31	27	5	2	2	2	2	2	2	2	2	3	3	3	3	7
21	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
28	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
31	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
MEAN	2	1	1	2	1	1	1	2	4	3	3	1	1	2	2	2	3	2	2	2	2	2	3	3	2.0

PERCENTAGE OF DATA VALID - 51.7

PERCENTAGE OF DATA INVALID - 48.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042

NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	0	0	0	0	0	0	0	0	27	7	15	7	22	14	9	6	2	1	3	5	2	0	0	0	0
6	0	1	0	0	1	1	2	2	1	2	2	0	0	0	1	1	1	1	1	0	0	0	0	0	1
7	1	2	2	2	2	2	2	2	3	3	3	2	2	0	1	0	0	0	0	0	0	0	2	8	2
8	32	10	15	8	15	9	25	---	1	1	0	0	1	1	2	4	4	4	2	0	0	3	4	2	6
9	2	1	0	0	1	1	2	2	1	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	2
10	0	0	0	0	2	2	1	1	3	38	14	5	5	5	5	3	4	9	6	3	3	3	6	8	5
11	6	16	7	6	14	11	10	15	16	13	11	9	7	14	14	13	17	7	13	12	12	15	15	15	12
12	8	8	5	3	3	3	3	3	6	11	19	---	2	1	1	0	0	0	0	0	0	0	0	0	3
13	0	0	0	0	0	0	0	0	0	0	1	4	3	2	2	1	1	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	1	9	7	4	3	3	4	---	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	11	4	2	4	4	1	1
16	0	0	0	0	0	0	0	0	0	1	4	9	13	8	7	3	2	1	0	0	0	0	0	0	2
17	0	0	0	0	0	1	2	3	4	1	2	3	2	2	1	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	---	0	0	0	0	2	4	9	8	11	21	15	56	48	23	10
19	15	9	2	0	0	0	0	0	0	0	0	0	0	1	2	26	6	1	1	0	0	0	0	0	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	2	0	1
21	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	26	18	28	28	5	11	11	3	---	0	0	0	0	0	0	0	6	9	19	63	17	21	23	85	5
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	3	3	1	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	3	2	2	2	2	2	1	3	4	4	2	3	2	3	4	3	4	5	4	4	7	8	3	3.4

PERCENTAGE OF DATA VALID - 86.4

PERCENTAGE OF DATA INVALID - 13.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042

NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
2	---	---	---	---	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	19	1	5	2	13	2	2	42	9	10	9	3	6	6	1	2	5	3	3	11	4	2	2	1	7
4	1	0	0	0	0	0	0	0	0	0	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6	0	2	4	1	3	1	0	0	1	4	6	1	3	1	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	2	10	13	19	18	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	1	0	1	1	1
10	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	15	10	3
11	17	31	26	16	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9	2	1	0	4
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	3	9	4	4	4	10	16	25	11	25	9	1	0	0	0	0	0	0	5
14	0	0	0	0	0	0	0	0	0	0	0	3	12	17	3	2	0	0	0	0	0	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	8	1
17	2	0	4	17	10	15	39	31	5	4	4	3	2	4	3	0	0	0	1	---	---	---	---	---	8
18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	3	2	0	1	14	9	10	---	---	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	0	0	0	1	1	2	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	0	0	1	1	1	0	0	0	0	---	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	1	2	1	2	1	2	2	2	1	1	1	1	1	0	0	1	0	0	0	0	1
27	0	0	0	0	0	0	2	3	3	3	4	3	2	1	0	2	3	3	3	2	2	3	2	0	2
28	0	0	0	0	1	2	3	2	2	2	2	4	3	4	5	7	6	5	3	5	4	3	4	3	3
29	3	11	15	5	3	---	---	---	---	---	2	4	4	3	3	3	2	1	1	0	0	0	0	0	3
30	1	1	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
31	0	0	0	0	0	0	16	6	3	2	1	---	1	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	1	3	4	1	1	2	2	2	2	1	2	1	1	0	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 90.1

PERCENTAGE OF DATA INVALID - 9.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042 NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	19	2.7	14	62
JUL	31	4.8	18	139
AUG	26	4.0	21	96
SEP	27	3.1	14	89
OCT	15	2.0	7	38
NOV	26	3.4	16	85
DEC	28	1.5	8	42
YEAR	172	3.2	21	139

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27042 NIAGARA FALLS RD/ONTARIO ST. THOROLD

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	DATA UNAVAILABLE								
JUN	442	7	6	0	3	3	3	3	467
JUL	628	41	19	19	6	13	2	12	740
AUG	578	20	15	8	5	3	4	11	644
SEP	585	29	16	10	5	4	1	6	656
OCT	368	6	3	3	0	5	0	0	385
NOV	526	37	28	8	6	8	1	8	622
DEC	625	19	10	9	2	4	1	0	670
YEAR	3752	159	97	57	27	40	12	40	4184

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
81.5	0	0.0	0.0	0.6	1.8	5.3	13.5	26.7	47.4	139	3.2



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27043															MCADAM PARK CENTRE/DAVIS ST. THOROLD										
MONTH - JAN 80															NORTH - JAN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	8	7	15	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	5	5	4	1	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	3	3	2	1	1	1	1	1	2	2	2	1	1	1	1	1
5	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	2	1	1	1	2	2	2	1	2	1
7	2	2	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	2	0	0	1	0	0	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	2	2	1	1	2	3	2	0	0	1	1	1	1	2	2	1
11	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	2	2	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
14	0	1	2	2	0	1	1	0	0	0	1	1	0	0	0	1	1	3	3	0	1	2	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
16	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	2	2	1	2	3	2	1
17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	3	1	4	2	2	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0
22	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	3	1	1	2	2	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	2	1	1	0	0
30	0	0	0	0	0	0	0	0	0	0	22	24	5	5	4	2	2	0	0	0	0	2	0	0	3
31	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	2	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27043															MCADAM PARK CENTRE/DAVIS ST. THOROLD										
MONTH - FEB 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	2	1	3	2	2	4	3	2	7	7	8	3	1	1	1	2	2	1	3	11	1	3
2	1	1	25	6	9	8	10	4	13	6	7	5	2	1	0	0	0	0	0	0	2	3	3	2	5
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
4	1	0	20	6	0	0	0	14	6	8	6	5	0	0	0	0	0	0	0	0	1	8	6	1	3
5	2	2	1	0	0	0	0	0	0	0	0	0	2	2	2	2	1	2	1	1	0	1	0	1	
6	0	0	0	0	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
7	2	1	0	0	0	0	0	0	0	0	0	2	6	5	4	5	4	1	1	1	3	6	6	5	2
8	4	3	1	0	0	0	0	1	3	6	3	2	2	1	1	1	2	1	3	1	0	0	8	11	2
9	6	2	0	1	1	3	2	1	1	1	10	5	10	4	2	2	0	0	0	0	0	0	1	2	2
10	1	1	1	0	0	0	0	0	1	1	2	11	3	2	0	0	0	0	0	0	0	0	1	0	1
11	1	1	1	1	1	0	1	1	2	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	2	1	0	1	2	2	2	2	1	1	2	3	2	1	0	1	2	2	2	1
14	2	3	3	2	1	1	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	19	3	3	3	3	3	2	2
17	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	2	0
19	3	4	4	4	3	2	2	2	3	2	1	4	5	5	4	4	4	4	4	4	3	3	3	3	3
20	1	2	4	5	4	4	2	2	3	3	2	4	1	1	1	1	2	1	1	0	0	1	1	1	2
21	1	1	1	1	1	1	1	4	4	4	5	4	4	2	1	1	1	1	2	0	0	1	1	1	2
22	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	1	2	2	1	2	2	2	2	3	3	3	2	2	1	1	1	1
24	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0
25	0	0	0	0	2	0	1	3	1	4	2	2	1	1	1	1	1	1	1	1	0	0	0	0	1
26	0	0	0	0	0	2	1	3	8	5	7	3	3	2	2	2	3	2	2	2	2	2	2	2	2
27	2	2	1	1	2	2	2	2	2	2	2	2	3	3	2	1	1	2	2	2	1	2	1	1	2
28	1	2	1	1	8	6	3	2	2	2	3	3	5	5	4	2	2	2	2	2	6	8	6	4	3
29	3	3	3	5	6	6	5	7	8	5	4	3	9	5	2	2	2	2	2	2	3	8	4	4	4
MEAN	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	2	2	2	1.7

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27043		MCADAM PARK CENTRE/DAVIS ST. THOROLD												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	3	3	3	3	12	6	12	6	8	17	12	16	9	11	7	4	5	13	7	13	8
2	3	6	1	1	0	0	0	0	1	2	2	1	1	1	1	1	2	2	2	2	1	0	1	1	1
3	0	0	0	0	0	0	0	0	1	3	2	0	1	2	2	0	0	0	0	1	1	0	1	1	1
4	2	2	2	2	2	2	2	2	2	2	2	3	5	1	1	1	1	1	1	1	1	0	0	0	2
5	0	0	1	0	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	2	2	2	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1
8	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	11	4	4	3	1	1
9	0	0	0	0	0	0	0	0	1	1	0	1	2	1	2	1	1	1	0	0	0	0	0	0	0
10	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
12	0	1	0	1	2	4	14	9	11	6	7	6	7	7	5	3	2	2	2	2	1	1	2	2	1
13	0	3	3	2	1	1	1	1	0	1	1	1	2	2	2	2	2	2	3	3	2	3	3	3	2
14	4	2	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
15	0	0	3	0	1	3	2	2	3	2	2	1	3	3	3	3	3	2	2	2	0	0	0	1	2
16	0	0	1	2	2	1	2	3	3	3	3	2	1	1	2	1	2	2	1	0	0	1	1	2	2
17	1	1	0	0	0	0	1	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	1	1	1	1	2	1
20	2	1	1	1	1	2	1	1	2	3	2	2	2	2	2	2	2	2	1	0	0	1	2	3	2
21	2	1	1	1	1	1	1	1	1	1	1	0	0	2	1	1	1	1	2	0	0	1	1	0	1
22	0	0	0	1	1	1	2	16	19	5	7	4	5	8	18	13	18	19	49	40	30	4	5	5	11
23	4	3	1	1	2	1	1	2	2	2	2	2	1	1	2	3	3	2	2	2	3	2	2	2	2
24	1	2	1	1	1	1	1	2	1	1	2	2	2	1	1	2	1	1	1	0	1	0	0	1	1
25	0	8	1	2	9	4	6	2	2	1	1	1	1	1	2	2	2	2	1	0	0	0	0	0	2
26	0	0	0	0	1	2	3	31	29	36	9	4	3	3	2	1	1	1	1	2	2	1	1	1	6
27	1	1	1	0	0	0	0	0	0	1	1	2	2	1	1	3	3	2	2	1	1	1	2	2	1
28	3	2	2	2	2	3	3	1	5	2	3	2	2	2	2	2	2	2	1	1	1	1	0	0	2
29	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1
30	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1
31	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1.8

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27043					MCADAM PARK CENTRE/DAVIS ST. THOROLD										MONTH - APR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	1	1	2	1	1	1	0	1	1	1	0	0	0	0	0	1	2	1
2	2	2	1	0	0	0	0	0	1	2	3	5	3	2	1	1	1	2	2	1	1	14	17	24	4
3	26	3	1	1	0	0	0	0	1	2	1	2	1	1	1	1	1	1	0	0	2	1	1	1	2
4	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	1	0	0	0	0	0
6	0	0	0	0	0	0	2	1	0	0	1	1	0	0	0	1	0	5	2	1	1	1	1	0	1
7	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	4	0	0	3	1	0	2	0	1
10	0	2	2	1	0	0	3	0	0	2	1	2	0	0	2	0	2	1	1	2	0	0	3	0	1
11	0	2	0	1	3	1	2	1	3	1	0	6	3	2	4	2	1	4	2	5	1	3	1	1	2
12	2	1	1	3	2	3	5	2	1	4	1	2	3	1	1	2	1	2	1	2	2	2	2	2	2
13	1	4	1	1	3	1	3	1	1	3	1	1	3	1	22	4	1	10	3	2	4	1	1	3	3
14	1	1	3	1	2	2	1	2	1	1	1	3	1	1	2	1	1	1	3	1	1	1	3	3	2
15	1	2	1	0	2	1	0	0	3	0	0	0	0	0	1	1	1	1	2	1	1	4	1	1	1
16	0	1	6	2	30	7	12	20	6	30	5	4	2	3	7	18	10	12	15	4	4	3	10	10	9
17	5	3	4	2	2	4	1	2	4	2	2	3	0	0	0	3	1	3	1	1	2	2	2	4	2
18	1	0	2	1	3	2	2	2	2	3	5	4	3	2	5	2	3	5	5	5	3	3	4	3	3
19	1	2	1	1	1	1	1	3	2	3	4	3	1	1	3	4	5	5	4	5	3	3	5	3	2
20	1	1	2	2	2	2	2	2	3	3	12	3	2	12	2	4	3	5	11	29	37	3	18	35	8
21	21	15	29	2	7	4	2	4	2	2	2	2	3	1	17	2	3	1	2	3	2	25	7	7	7
22	1	0	0	0	1	0	1	2	2	0	0	3	0	0	0	1	1	3	3	2	2	1	0	0	1
23	1	1	3	2	2	3	2	3	2	2	4	3	1	1	3	10	5	5	4	4	3	5	4	4	3
24	5	8	1	1	4	1	1	3	2	2	1	2	0	0	2	0	1	4	6	2	3	1	1	3	2
25	2	1	2	1	2	0	0	2	4	1	1	1	0	2	1	1	2	2	1	3	1	1	3	1	1
26	1	1	0	1	1	1	2	3	2	3	7	3	2	2	2	2	3	3	3	3	3	2	3	3	2
27	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	0	1	1	1	1	1	2
28	DATA INVALID -															DATA INVALID -									*****
29	DATA INVALID -															DATA INVALID -									
30	DATA INVALID -															DATA INVALID -									
MEAN	3	2	2	1	3	1	2	2	2	3	2	2	1	1	3	2	2	3	3	3	3	3	3	4	2.3

PERCENTAGE OF DATA VALID - 90.8

PERCENTAGE OF DATA INVALID - 9.







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27043 MCADAM PARK CENTRE/DAVIS ST. THOROLD

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	0.5	3	24
FEB	29	1.7	5	25
MAR	31	1.8	11	49
APR	27	2.3	9	37
MAY	31	1.2	6	46
JUN	7	1.6	7	37
YEAR	155	1.5	11	49

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27043 MCADAM PARK CENTRE/DAVIS ST. THOROLD

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	722	3	1	0	2	0	0	0	728
FEB	650	37	5	2	1	0	0	0	695
MAR	695	19	10	7	0	4	2	0	737
APR	614	16	8	5	4	7	0	0	654
MAY	707	15	5	4	1	0	1	0	733
JUN	169	6	3	1	0	1	0	0	180
YEAR	3557	96	32	19	8	12	3	0	3727

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.3	0	0.0	0.0	0.2	1.0	2.8	4.7	10.0	16.4	49	1.5















ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27046

PUBLIC WORKS 200M S BEAVERDAM RD THOROLD

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	4	4	2	2	2	2	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	2	1	1	1	1	1
4	0	0	0	0	0	0	1	1	1	1	1	1	1	0	2	3	2	2	2	3	2	2	2	3	1
5	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
6	3	2	2	3	6	10	7	6	5	4	4	3	3	3	3	3	3	4	5	8	7	5	3	2	4
7	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	1	1	2	2	3	2	2	2	2
8	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	4	9	16	5	2	3	3	
9	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	5	4	5	2	1	1	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	- DATA INVALID -																								
12	- DATA INVALID -																								
13	- DATA INVALID -																								
14	- DATA INVALID -																								
15	- DATA INVALID -																								
16	0	0	0	0	0	0	0	0	0	0	1	0	1	3	2	2	1	1	2	3	3	1	1	1	1
17	0	0	0	1	0	1	0	0	0	0	0	0	1	1	1	1	1	4	0	0	1	4	4	4	1
18	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	1	1	1
20	0	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1
21	1	1	1	1	1	0	0	0	0	0	0	1	2	1	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3	6	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	4	2	1	1	1	1	1	0
27	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0
MEAN	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	0.9

PERCENTAGE OF DATA VALID - 83.1

PERCENTAGE OF DATA INVALID - 16.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27046

PUBLIC WORKS 200M S BEAVERDAM RD THOROLD

MONTH - AUG 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	3	3	1	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	1	1	1
8	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	1	1	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
11	1	2	1	0	1	0	3	3	1	0	0	2	1	1	1	2	1	1	1	1	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	1
14	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	3	3	1	1
16	1	1	0	0	1	2	2	1	1	1	1	2	2	2	2	2	2	3	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	2	3	2	1	1	1
19	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	3	8	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2	2	2	1	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	1	1	1	1	1
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	2	2	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27048

PUBLIC WORKS 200M S BEAVERDAM RD THOROLD

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	0	0	0	1	1	2	1	1	1	1	2	2	2	2	2	1	1	1	1
4	0	0	0	0	0	0	0	0	0	1	....	1	1	2	2	3	3	3	3	2	2	2	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	1	2	1	1	1
7	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1
8	1	1	1	1	1	1	0	0	0	1	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1
9	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1
12	0	0	0	0	0	0	0	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	6	15	39	32	7	6	3	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	....	1	1	1	1	2	2	2	1	2	2	2	2	2	1
17	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	4	4	5	4	4	6	2
18	2	4	5	4	2	2	2	2	4	2	4	4	2	2	2	2	2	2	2	2	2	2	2	2	3
19	0	1	1	1	1	1	1	1	1	....	5	5	2	2	2	2	4	4	2	2	2	2	2	2	2
20	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	4	4	4	4	4	4	4	2	2	2
21	2	2	2	2	2	1	1	2	2	2	2	2	1	2	2	2	2	4	4	4	4	4	4	4	2
22	2	2	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2
23	1	1	1	1	0	0	0	0	0	0	....	1	0	0	1	1	2	5	2	1	1	1	1	2	1
24	1	1	1	0	0	0	0	0	1	1	13	5	1	2	1	1	1	1	1	1	1	4	2	1	2
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	0	0	0	0	0	0	0	0	0	....	0	0	1	1	1	2	2	2	2	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1
MEAN	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	1	1	1	2	1	1.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27048

PUBLIC WORKS 200M S BEAVERDAM RD THOROLD

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1
2	2	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	....	0	....	0	....	1	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	0	2	2	1
9	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
10	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	....	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	2	1	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
19	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	....	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	5	1
23	1	0	0	0	0	0	0	0	2	1	0	1	1	1	1	1	1	1	1	1	3	5	5	6	1
24	4	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	2	8	1	1	1	1	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	2	2	1	1	0	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	0.3

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27046		PUBLIC WORKS 200M S BEAVERDAM RD THOROLD												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	2	3	2	2	4	3	2	1	1	1	1	1	2	2	1	1	1	1	2	2	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
10	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	1	1	0
11	0	0	1	1	1	1	1	1	1	2	2	2	3	3	2	2	3	3	2	1	1	1	1	1	2
12	2	3	3	2	1	2	3	3	4	3	1	1	2	2	3	2	2	1	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1
14	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	3	2	1	1	2	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	3	2	1	1
16	1	1	1	1	1	1	1	1	1	1	3	3	1	2	2	1	1	1	1	1	0	0	0	0	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	1
18	0	0	1	1	0	0	0	0	0	1	1	0	1	1	1	1	4	7	4	2	2	2	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1
21	3	4	4	4	3	2	3	3	3	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	2	3	4	4	4	3	2	4	6	4	4	3	2	1	1	1	0	1	1	1	2
24	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	4	7	5	3	1	1
26	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	4	3	2	1	0	0	0	0	0	1
27	0	1	1	2	1	5	9	5	7	21	10	1	1	0	0	0	0	0	0	1	1	0	0	0	3
28	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30																									
MEAN	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27046		PUBLIC WORKS 200M S BEAVERDAM RD THOROLD												MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1	1	2	2	2	2	1	1	1	1	1	1	2	2	*****
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	4	9	9	6	3	4	4	2	3
4	2	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1
5	2	4	5	5	8	6	11	4	4	3	5	3	2	2	2	2	2	2	1	1	1	1	4	5	3
6	6	6	6	6	7	20	8	4	4	7	7	4	6	3	2	2	3	3	2	2	2	2	2	2	5
7	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
12	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13																									
14																									
15																									
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23																									
24	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
28	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	1	1	1	0	1	1
29	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 55.2

PERCENTAGE OF DATA INVALID - 44.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27046 PUBLIC WORKS 200M S BEAVERDAM RD THOROLD

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	0.7	3	16
FEB	17	1.7	5	13
MAR	29	1.2	4	21
APR	17	2.0	6	35
MAY	27	0.8	3	13
JUN	25	0.6	2	10
JUL	25	0.9	4	16
AUG	31	0.7	1	8
SEP	30	1.2	5	39
OCT	31	0.3	1	8
NOV	29	1.1	3	21
DEC	16	1.1	5	20
YEAR	305	1.0	6	39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27046 PUBLIC WORKS 200M S BEAVERDAM RD THOROLD

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	687	14	0	1	0	0	0	0	702
FEB	388	35	2	0	0	0	0	0	425
MAR	676	23	4	0	1	0	0	0	704
APR	436	19	5	3	2	1	0	0	466
MAY	642	9	2	0	0	0	0	0	653
JUN	624	4	0	0	0	0	0	0	628
JUL	609	8	0	1	0	0	0	0	618
AUG	741	1	0	0	0	0	0	0	742
SEP	706	5	2	0	0	2	0	0	715
OCT	737	2	0	0	0	0	0	0	739
NOV	681	6	0	0	1	0	0	0	688
DEC	396	13	1	1	0	0	0	0	411
YEAR	7323	139	16	6	4	3	0	0	7491

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.3	0	0.0	0.0	0.1	0.7	1.9	3.0	5.4	7.4	39	1.0







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 27048												NIAGARA PUB WORKS DOMINION RD.FORT ERIE													MONTH - MAR 80		
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1																											
2																											
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
4	1	1	1	2	2	3	3	3	3	4	4	4	3	3	3	3	3	2	2	2	2	3	4	3	2		
5	4	4	3	3	3	5	5	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
6	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	4	4	3	1		
7	2	2	1	1	1	2	2	2	2	3	3	2	2	3	3	3	3	2	1	2	2	2	2	2	2		
8	2	2	2	2	2	2	4	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	2		
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	1		
10	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0	.....	.....	.....	.....	.....	.....	.....	1		
11																											
12																											
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	0	0	1	.....	.....	.....	.....	.....	.....	.....	.....		
14																											
15																											
16																											
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	1	0	0	1	0	0	0	0	.....		
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0		
19	1	1	2	1	1	0	1	1	1	1	2	1	1	1	1	1	0	1	0	1	1	0	1	0	1		
20	0	0	0	0	1	1	1	1	1	1	1	0	1	0	1	1	0	0	.....	.....	.....	.....	.....	.....	1		
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	2	1	1	1	1	1	1	1	1	1	1	.....		
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	2	1		
23	3	2	2	1	1	1	2	2	2	2	2	1	2	3	2	2	2	2	2	2	2	2	2	2	2		
24	1	1	1	0	1	1	1	2	2	3	4	5	7	5	3	1	1	2	1	1	1	1	1	1	2		
25	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	1	1		
26	1	1	1	1	0	0	0	0	0	1	1	1	2	1	1	0	0	1	1	1	1	0	0	1	1		
27	0	0	0	0	0	0	0	0	0	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1		
28	1	3	2	2	1	0	0	1	1	1	2	3	5	4	3	3	2	1	1	1	1	1	2	2	2		
29	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0		
30	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
31	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1.2		

PERCENTAGE OF DATA VALID - 69.2

PERCENTAGE OF DATA INVALID - 30.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 27048												MONTH - APR 80													
NIAGARA PUB WORKS DOMINION RD.FORT ERIE																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	2	5	1	2	2	1	2	0	1	1	0	1	0	0	0	0	0	1
2	0	0	1	2	2	1	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	.....	.....	.....	.....	3	2	2	2	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
4													- DATA INVALID -												
5													- DATA INVALID -												
6													- DATA INVALID -												
7													- DATA INVALID -												
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	0	0	.....
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	1	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
12	0	2	2	2	1	2	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	0	.....	0	0	0	0	0	0	0	1	1	0	0
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	1	1
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	1	1	2	4	3	1	1	1	1	1	1	2	0	0	0	1	1
23	2	0	1	1	1	1	0	0	0	0	0	0	0	2	1	6	1	1	1	0	0	0	1	0	1
24	0	0	0	0	0	0	0	1	1	.....	8	1	4	1	4	2	0	0	0	0	0	0	0	0	1
25	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	1	1	2	5	3	2	1	1	1	1	1	2	1	1	1	1	1
27	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1
28	0	0	0	0	0	0	0	0	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	6	2	3	1	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 82.1

PERCENTAGE OF DATA INVALID - 17.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27048 NIAGARA PUB WORKS DOMINION RD.FORT ERIE														MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	1	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1
6	0	1	1	1	1	0	0	0	2	2	1	0	2	2	2	2	2	1	2	2	1	1	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	4	4	4	2	2	2	2	2	2	1
9	1	1	1	1	1	1	2	2	2	2	2	4	2	2	2	2	2	2	2	1	1	1	1	1	2
10	0	0	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
11	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
12	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1
14	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	1
17	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1
18	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
19	1	2	1	1	2	3	3	3	2	2	3	3	3	1	1	2	3	3	3	3	2	3	2	2	2
20	1	1	2	2	3	3	4	3	3	3	3	3	2	2	2	2	3	3	3	3	3	2	3	3	3
21	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	2	2	3	3	3	3	3	2	2	2
22	2	2	2	2	1	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	1	1	1	1	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
24	1	1	1	0	0	0	0	0	2	0	0	0	0	1	2	1	1	1	1	1	1	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1
30	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27048 NIAGARA PUB WORKS DOMINION RD.FORT ERIE														MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3
2	4	4	4	3	2	2	2	2	3	3	4	6	5	5	3	3	2	2	2	1	2	2	2	1	3
3	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2
4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	1	2	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2	4	2	1	1	1	1	1	1	2
8	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2
9	2	2	2	3	2	2	2	2	2	2	2	2	3	5	6	6	4	2	1	1	1	1	1	1	2
10	0	0	2	4	2	0	0	1	3	1	1	1	2	2	3	3	3	3	2	3	3	3	3	3	3
11	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	2	1	2	2	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	2	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2
18	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0
24	0	0	0	0	0	0	0	0	2	2	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1
25	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0
28	1	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27048 NIAGARA PUB WORKS DOMINION RD.FORT ERIE											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	1	1	0	0	0	0	1	1	2	2	2	0	2	2	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	5	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
7	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	1
8	0	0	0	0	0	0	0	0	0	1	3	3	2	1	2	1	1	0	0	0	1	2	2	1	0
9	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	4	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0
14	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0
15	1	0	0	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	2	0	0	0	0	0	1	0
17	1	1	0	2	1	0	0	1	1	0	3	2	1	0	1	1	1	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	2	0	0	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0
20	2	2	2	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	2	2	2	2	1
21	2	2	2	2	2	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	1	0	0	0	0	1	1	0	0	1	0	0	1	0	0	3	2	0	0	1	1
23	1	1	2	3	3	2	1	1	2	2	0	3	2	2	0	0	1	1	0	0	0	0	1	1	2
24	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	2	1	1
26	1	1	0	1	0	0	0	0	0	1	1	1	9	6	6	1	1	0	0	0	0	0	0	0	1
27	2	6	5	4	5	5	1	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	3	1	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	1	1	1	1	0
29	0	0	0	0	0	0	0	0	1	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0.6

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27048 NIAGARA PUB WORKS DOMINION RD.FORT ERIE											MONTH - DEC 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	2	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	1	1	1	1	1	0	0	1	4	6	5	3	2	1	1	1	1	1	1	2	1	1
7	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	8	0	0	1	2	1	1	1	1	0	0	0	0	0	0	1
14	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
15	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	0	1	2	2	2	1	1
16	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	- DATA INVALID -																								
22	- DATA INVALID -																								
23	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	2	2	6	1	1
26	1	1	1	1	1	1	1	1	1	2	2	3	3	4	4	5	5	4	4	4	4	4	4	2	3
27	5	1	1	1	2	2	1	1	1	2	6	5	3	2	2	2	2	2	1	3	3	2	2	3	2
28	3	3	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
29	1	1	0	0	0	1	0	1	1	1	1	2	2	2	2	3	3	2	2	1	1	1	1	1	1
30	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	6	3	1	1	1	1	1	0	1	1
31	1	1	2	2	2	2	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1
MEAN	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27048 NIAGARA PUB WORKS DOMINION RD. FORT ERIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	13	0.6	1	4
FEB	21	0.8	2	6
MAR	20	1.2	3	7
APR	24	0.5	1	8
MAY	15	0.9	3	9
JUN	27	0.9	2	6
JUL	27	0.1	1	5
AUG	22	0.2	1	9
SEP	30	1.1	3	4
OCT	29	1.1	3	6
NOV	30	0.6	2	9
DEC	29	0.6	3	8
YEAR	287	0.7	3	9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27048 NIAGARA PUB WORKS DOMINION RD. FORT ERIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	359	0	0	0	0	0	0	0	0	0	359
FEB	556	1	0	0	0	0	0	0	0	0	557
MAR	513	2	0	0	0	0	0	0	0	0	515
APR	588	3	0	0	0	0	0	0	0	0	591
MAY	419	7	0	0	0	0	0	0	0	0	426
JUN	628	1	0	0	0	0	0	0	0	0	629
JUL	679	0	0	0	0	0	0	0	0	0	679
AUG	558	3	0	0	0	0	0	0	0	0	561
SEP	708	0	0	0	0	0	0	0	0	0	708
OCT	701	3	0	0	0	0	0	0	0	0	704
NOV	696	4	0	0	0	0	0	0	0	0	700
DEC	679	6	0	0	0	0	0	0	0	0	685
YEAR	7084	30	0	0	0	0	0	0	0	0	7114

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
81.0	0	0.0	0.0	0.0	0.5	1.5	2.1	2.9	3.8	9	0.7



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27049														MURRAY/BUCHANAN AV. NIAGARA FALLS											
MONTH - JAN 80														MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
4	0	1	0	1	0	1	0	0	4	2	3	3	1	1	1	1	1	1	1	3	2	2	1	2	1
5	2	2	2	2	----	2	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1
6	0	2	3	1	0	1	1	2	2	1	4	2	2	2	2	3	5	2	1	0	2	1	2	3	2
7	2	1	1	1	1	0	1	1	0	1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1
9	1	1	1	0	1	1	1	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	2	3	6	6	3	3	4	4	2	1	1	1	0	0	2	2	2	2	2
11	2	2	3	2	2	2	2	1	2	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	2	1	1	0	1	1
15	1	0	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	0	1	1	2	2	2	2	2	2	2	2	3	2	1	1	1	----	2	1	1	1	1	0	1
17	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	0	1	0
20	----	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
21	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0
22	1	0	1	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	0	0	1	2	1	0	1
23	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	0
25	0	0	0	0	0	1	1	3	1	1	1	2	3	5	5	5	6	5	2	1	1	1	1	1	2
26	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	0	1	0	0	1	0	0	0	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	1	1	0	0	1	1	1	1
28	1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
29	1	2	2	1	1	1	1	1	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	1	1	1	1	2	3	5	3	1	4	4	1	-	1	0	1	1	1
31	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1
MEAN	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27049														MURRAY/BUCHANAN AV. NIAGARA FALLS											
MONTH - FEB 80														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	3	2	1	1	1	2	2	1	1	2	2	1	1	2	1	1	1
2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1
3	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1
4	1	1	1	1	2	1	0	1	1	0	1	1	1	0	1	2	1	1	1	0	1	3	1	1	1
5	2	3	2	0	1	1	2	3	2	3	2	2	2	2	2	2	1	1	3	3	3	3	3	3	2
6	3	3	3	5	5	5	4	3	3	3	3	1	1	2	1	1	1	1	1	1	1	2	2	3	2
7	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	2	5	6	2	2	2	1	1	1	2
8	2	3	3	2	2	3	3	2	3	3	4	6	3	3	2	2	2	2	2	1	2	2	2	1	3
9	1	1	1	1	1	1	1	1	2	1	1	2	3	2	1	1	1	1	1	1	1	0	0	1	1
10	0	0	0	1	1	1	1	1	2	3	2	2	2	2	2	2	2	1	1	1	1	1	0	1	1
11	1	1	1	1	2	2	2	1	2	2	1	1	2	1	1	1	1	1	0	0	0	1	0	0	1
12	0	1	1	1	1	0	1	0	0	1	0	1	0	1	1	1	2	1	0	1	0	0	1	0	1
13	1	0	1	1	1	1	1	1	1	1	2	1	2	1	2	2	2	2	2	2	1	1	2	3	1
14	2	2	3	2	2	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	0	0	1	2	1
15	1	2	3	4	2	2	1	1	1	1	1	1	2	0	1	----	0	0	----	0	0	0	----	0	1
16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	1	1	1	1	0	0	1	1	0
17	1	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	2	3	4	3	1	1	1	0	0	0	1	1	1	1	----	1	1	1	1	1	1	1	3	1
19	3	4	4	4	3	3	3	2	2	2	2	2	2	1	2	2	2	2	2	0	0	0	0	0	2
20	1	0	0	0	0	1	0	0	0	1	3	3	3	3	2	2	2	1	1	0	0	0	0	1	1
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0
22	2	2	2	2	2	2	2	1	3	1	1	1	0	0	----	1	0	0	0	0	0	0	0	1	1
23	1	0	0	1	0	1	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	0	0	1	1
24	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0
25	0	1	0	1	0	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
26	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1
27	1	1	1	1	1	0	----	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	1	0	1
28	1	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	2	1	1	1	1	0	1	0	1	0	1	1	0	1	0	1	1	1	1	1	1	1	1	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.9



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 27049 MURRAY/BUCHANAN AV. NIAGARA FALLS													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1
3	1	1	1	1	1	2	3	3	3	2	2	3	2	2	1	2	1	1	1	2	1	2	2	2	2
4	2	2	3	2	3	4	3	3	3	3	3	3	2	3	1	2	2	2	2	1	1	1	1	1	2
5	2	3	1	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
6	0	1	0	0	1	0	0	1	1	1	0	3	1	1	2	1	1	1	1	1	3	2	2	1	1
7	0	0	***	0	0	0	1	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	3	1	1	1	1	1
9	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
10	1	0	0	0	0	0	0	5	2	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1
11	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	3	1	0	0	1	1
12	1	0	0	1	1	3	3	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	2	1	1
13	2	3	3	3	3	4	3	3	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	2	1
14	1	1	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	0	1
15	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1
16	3	1	1	2	6	6	5	6	3	1	2	2	2	2	2	1	2	1	1	1	1	0	1	2	2
17	1	1	2	1	1	1	1	1	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
20	0	1	1	1	0	0	0	1	1	2	2	1	1	***	1	2	1	1	1	1	1	2	1	1	1
21	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0
23	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	0	0	1	0	1	0
28	0	0	0	0	0	0	0	2	0	1	2	1	1	1	1	1	1	1	0	0	1	0	0	0	1
29	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 27049 MURRAY/BUCHANAN AV. NIAGARA FALLS													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	0	2	3	3	1	1	1	1	0	0	0	0	0	0	1	1
2	1	1	2	1	1	0	0	0	0	1	1	3	3	2	3	3	3	2	2	2	2	2	2	2	2
3	3	2	2	2	1	2	1	2	3	3	2	2	-	2	0	0	0	0	0	0	0	1	1	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	***	0	***	0	0	0	0	0	0	0	0	0	0	2	2	1	1	0	0	1	0	0	1	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	-	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
11	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	0	0	1	1	1
12	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	U	U	U	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	1	1	1	1	0	0	0	1	1	0	0	1	1	1	0	1	0	1	0	1	0	1
15	0	0	1	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	***	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0
17	3	2	2	2	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1
18	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1
19	1	0	1	1	0	0	0	0	1	1	1	1	1	1	1	4	2	2	2	2	2	1	1	1	1
20	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	0	1
21	0	0	0	0	1	0	0	0	1	0	1	0	1	1	1	1	1	0	0	0	0	-	-	0	0
22	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	1	0	0	1	1	1	0	-	0	0
23	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	***	***	0	0	0	0	0	0	0	0	0	1	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0
29	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27049

MURRAY/BUCHANAN AV. NIAGARA FALLS

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
17	1	0	0	0	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	1	0	3	1	1	1
18	1	1	1	1	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	2
22	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2
23	3	2	2	2	2	2	1	1	1	2	2	3	3	3	1	1	1	1	1	1	1	1	2	3	2
24	1	1	1	1	0	0	0	0	0	0	0	1	1	2	4	2	1	1	2	1	1	0	0	1	1
25	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0	1	3	2	3	2	1	1	1	1	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	0	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27049

MURRAY/BUCHANAN AV. NIAGARA FALLS

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0
3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	1	1	1	0
4	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
7	0	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1
8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
24	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 92.5

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27049		MURRAY/BUCHANAN AV. NIAGARA FALLS												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	2	3	3	3	4	4	5	5	5	5	6	6	6	6	7	6	3	3
2	4	4	4	4	4	4	1	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	3	3	3	3	3	2	3	3	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2	1	2
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	3	2	2	3	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	0	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1
15	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0
19	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1
22	0	2	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
24	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	0	1	0	1	1	1	1	1	2	1	0	0	0	0	1	0	1	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0
MEAN	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27049		MURRAY/BUCHANAN AV. NIAGARA FALLS												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1
22	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	2	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27049											MURRAY/BUCHANAN AV. NIAGARA FALLS														
MONTH - SEP 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
4	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	1	1	1	1	1	2	2	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	3	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	2	2	3	2	2	1	3
18	2	2	1	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	4
19	1	1	1	1	1	1	1	2	1	2	1	1	3	2	2	2	2	1	2	2	1	1	1	1	1
20	2	2	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	0	1	1
24	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	1
25	2	2	1	2	1	0	1	2	2	2	2	2	1	1	1	1	2	2	2	1	4	1	1	1	2
26	1	1	1	1	1	1	1	2	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1
27	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	1	0	0
28	1	1	0	1	0	0	0	1	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1
29	1	2	3	2	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	2	1	1	2	1	2	3	4	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
MEAN	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27049														MURRAY/BUCHANAN AV. NIAGARA FALLS														
MONTH - OCT 80																												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2			
2	2	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1			
3	1	---	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0			
6	1	0	0	0	0	0	0	0	0	1	2	1	1	1	2	1	1	-	2	2	1	0	0	0	1			
7	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	1	1	1	-	-	1	1	1	2	3	3	2	2	1	0	0	0	0	1			
9	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0			
10	0	1	1	0	1	0	1	2	4	4	1	1	1	1	2	2	1	1	0	1	1	1	1	1	1			
11	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
15	0	1	1	3	3	3	5	3	3	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1			
16	0	1	2	2	1	0	0	1	1	1	0	0	1	2	1	0	1	1	1	2	2	1	1	1	1			
17	1	0	0	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2			
18	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	---	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	3	1			
24	4	2	1	1	1	0	0	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1			
25	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	0	-	-	-	-	-	-	0			
26	- DATA UNAVAILABLE -																											
27	-	-	-	-	-	-	-	-	-	0	0	1	0	0	1	1	2	1	0	0	1	0	0	0	0			
28	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	1	-	-	-	-	-	-	0	-	-	0	0	0	0			
30	0	0	-	-	-	-	-	-	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	0	0	1	1	1	1	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0.4			



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27049 MURRAY/BUCHANAN AV. NIAGARA FALLS															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	1	1	1	0	0	0	0	1	2	3	4	3	2	1	2	1	2	2	1	1	1	1	1	1
4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	1	0	1	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-	-	-	3	2	0
9	1	1	1	1	2	3	3	1	1	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	1	2	6	5	4	3	3	2	2	2	1	1	1	0	0	1	2
14	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
16	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	0
17	3	3	1	0	3	1	1	2	1	1	-	5	2	0	0	0	0	2	4	2	1	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0
20	1	1	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	2	3	3	3	1
21	4	5	4	5	4	3	3	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	7	7	4	5	4	6	9	9	6	6	4	3	4	4	3	3	3	3	3	3	3	3	3	3	3
28	4	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27049 MURRAY/BUCHANAN AV. NIAGARA FALLS															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
2	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1
3	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	0	0	2	2	2	1	0	0	1
4	0	1	1	0	0	0	0	1	1	0	1	0	0	1	1	1	1	0	0	0	1	-	1	4	1
5	3	6	5	3	5	3	9	11	7	6	5	2	1	1	1	1	1	1	0	0	0	1	2	4	3
6	5	3	3	2	5	6	4	5	1	3	4	2	2	2	1	2	2	1	0	1	0	0	0	1	2
7	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	0	1	1	0	0	1
9	1	1	0	0	0	1	1	1	1	0	1	1	1	2	2	1	1	1	0	0	-	-	0	0	1
10	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	1	-	-	-	1	1
12	1	1	1	1	1	0	1	1	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
14	2	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1
15	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	2	2	1	1	2	3	1	1	1	1
16	1	1	1	1	1	1	1	0	1	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1
17	0	0	1	0	0	0	0	0	0	0	3	3	2	3	2	1	1	1	1	1	1	1	1	1	1
18	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	-	-	-	1
19	1	1	1	1	1	1	1	1	0	1	1	1	-	-	0	0	0	0	0	0	0	0	0	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	0
23	3	2	3	3	2	3	3	3	2	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1
26	0	0	0	0	0	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	1	1	1	1	1
27	1	0	1	1	1	1	1	1	2	3	5	6	1	4	4	4	2	2	3	3	3	2	2	2	3
28	3	4	3	3	2	2	2	2	2	3	5	4	3	2	3	3	2	2	2	2	3	4	5	5	3
29	4	2	2	1	1	2	3	2	2	2	2	0	1	2	1	1	0	1	0	0	0	0	0	0	1
30	0	0	0	1	0	1	0	1	1	1	1	1	0	0	1	1	1	0	1	0	0	0	1	2	1
31	2	1	2	2	1	1	1	4	6	6	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27049 MURRAY/BUCHANAN AV. NIAGARA FALLS

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.7	2	6
FEB	29	1.1	3	6
MAR	31	0.7	2	6
APR	30	0.4	2	4
MAY	31	0.6	2	5
JUN	30	0.5	2	3
JUL	31	0.7	3	7
AUG	31	0.3	1	2
SEP	30	0.7	2	6
OCT	28	0.4	2	5
NOV	30	0.9	5	9
DEC	31	1.0	3	11
YEAR	363	0.7	5	11

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27049 MURRAY/BUCHANAN AV. NIAGARA FALLS

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	737	3	0	0	0	0	0	0	0	0	0	740
FEB	686	2	0	0	0	0	0	0	0	0	0	688
MAR	738	3	0	0	0	0	0	0	0	0	0	741
APR	707	0	0	0	0	0	0	0	0	0	0	707
MAY	730	0	0	0	0	0	0	0	0	0	0	730
JUN	666	0	0	0	0	0	0	0	0	0	0	666
JUL	716	7	0	0	0	0	0	0	0	0	0	723
AUG	734	0	0	0	0	0	0	0	0	0	0	734
SEP	713	1	0	0	0	0	0	0	0	0	0	714
OCT	676	0	0	0	0	0	0	0	0	0	0	676
NOV	700	9	0	0	0	0	0	0	0	0	0	709
DEC	713	8	1	0	0	0	0	0	0	0	0	722
YEAR	8516	33	1	0	0	0	0	0	0	0	0	8550

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.3	0	0.0	0.0	0.0	0.5	1.3	2.0	2.9	3.8	11	0.7



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27051					HOLY TRNTY CHRCH NORTON/PORTAGE,CHIPPAWA										MONTH - JAN 80										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	3	1	2	2	2	2	2	1	1	1	1	1	0	0	0	1	2	1	1	0	0	0	0	1	
2	4	5	5	5	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
4	2	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	0	1	1
5	1	1	0	0	1	1	3	3	4	3	2	2	1	2	1	1	2	1	1	1	1	1	1	3	2
6	3	3	1	1	0	0	0	0	1	1	1	3	4	2	3	3	2	2	2	1	1	1	3	4	
7	3	3	6	4	3	---	---	5	3	2	---	1	1	1	1	1	1	1	1	1	0	0	0	2	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	2	2	2	2	3	3	1	1	1	0	0	0	0	0	0	1
10	0	0	4	10	2	1	1	2	4	6	3	3	4	4	4	2	1	1	1	1	1	2	3	3	3
11	4	3	3	3	2	2	2	2	2	1	1	1	1	1	3	3	3	2	2	2	2	2	2	2	2
12	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	1	2	3	3	2	1	1	1	2	2	2	1	---	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	15	---	---	9	5	3	2	2	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	1	1	1	1	1	0	0	0	1	1
16	1	2	2	2	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1
17	1	1	1	2	2	2	2	3	3	3	4	1	2	1	1	1	2	3	4	3	6	10	8	7	3
18	5	4	5	5	3	2	3	3	3	4	3	3	3	3	2	---	---	---	---	---	---	---	---	---	---
19	0	---	---	---	0	0	0	---	---	0	0	0	---	---	---	---	---	---	---	0	0	0	0	0	0
20	0	0	---	---	0	0	0	0	0	0	0	0	---	---	---	---	0	---	---	0	0	0	0	0	---
21	3	1	1	---	---	0	---	---	---	---	1	1	0	1	0	0	0	0	1	4	17	24	25	32	6
22	30	14	9	6	---	16	13	6	---	---	11	6	4	---	---	---	2	2	2	2	1	2	2	4	7
23	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	---	---	---	0	---	---	---	---	---	0	0	0	---	---	---	---	---	---	---	0	0	0	0	2	---
25	1	2	---	---	14	4	2	2	---	1	1	2	3	4	3	4	4	4	3	1	1	1	0	1	3
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	2	2	1	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
29	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	3	4	3	1	2	3	1	1	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	1	1	1	2	1	2	1	2	2	1	1	1	1	1	1	1	1	2	2	2	1.4

PERCENTAGE OF DATA VALID - 89.0

PERCENTAGE OF DATA INVALID - 11.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "---" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 27051		HOLY TRNTY CHRCH NORTON/PORTAGE CHIPPAWA												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	0	0	1	1	0	0
2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1
5	2	3	2	1	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	1
6	2	2	2	2	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2	4	6	5	6	4	3
7	3	4	5	3	3	2	1	1	2	1	1	1	1	1	1	1	1	5	3	2	1	1	1	1	2
8	1	1	1	1	1	1	1	1	2	2	2	5	4	3	2	1	2	2	2	2	2	2	2	---	2
9	0	1	1	1	0	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0	1
10	0	0	0	0	0	0	0	0	1	1	2	2	1	2	2	5	14	8	4	3	3	4	6	10	3
11	4	2	1	2	11	14	11	8	10	10	15	---	3	4	4	3	3	3	5	6	3	2	1	1	5
12	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	1	3	7	7	2
13	8	4	3	3	3	3	4	7	10	3	4	3	4	5	5	5	8	5	11	18	13	19	11	6	7
14	5	5	5	3	2	1	---	---	---	---	---	---	1	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	1	0	1	1	0	0	1	2	2	2	1	1	1	1	0	1	0	0	0	0	0	0	0
16	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	2	2	0
18	2	2	3	3	3	2	1	1	2	3	5	7	7	9	7	6	5	6	9	12	23	25	25	21	8
19	18	22	19	27	25	31	35	33	32	14	7	7	5	5	6	4	3	3	3	4	2	2	2	2	13
20	2	3	3	3	3	3	3	4	4	6	14	20	19	15	4	1	1	1	1	0	2	1	1	4	3
21	2	1	1	1	0	0	0	1	1	1	1	---	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1
24	1	1	1	2	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	5	3	3	2	2	1
25	2	2	1	1	1	0	0	1	1	1	1	---	1	1	1	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	7	12	17	5	7	10	15
27	7	16	21	22	16	5	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	4
28	0	0	0	0	0	0	0	1	0	1	---	---	1	1	1	1	1	1	1	1	2	2	2	2	1
29	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
MEAN	2	3	3	3	3	2	2	2	3	2	3	2	2	2	2	2	2	2	2	3	2	3	3	3	2.4

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "---" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY</



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27051 HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA														MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	1	0	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	7
2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	21	22	22	21	14	11	12	18	7
3	23	22	22	17	21	21	22	18	9	6	5	7	5	11	15	22	5	4	9	9	12	19	19	7	14
4	7	7	9	14	11	13	22	32	32	19	12	8	6	---	9	3	7	12	10	6	5	4	3	3	11
5	6	10	4	3	2	2	2	2	2	2	2	3	2	2	1	1	1	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1	2	6	5	5	5	8	13	8	4	2	2	2	2	1
7	2	3	4	3	2	2	3	3	2	2	4	4	3	---	2	2	2	1	2	1	1	1	1	1	2
8	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	1	1	1	1	1	2	2	2	2	3	3	3	4	12	16	20	13	17	11	5
10	13	6	4	10	11	13	16	19	14	16	---	8	10	13	20	8	4	10	22	22	5	2	3	2	11
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	2	2	1	1	1	1	1	1	1	2	1	2	3	3	2	1	1	1	1	1
13	1	1	1	1	1	1	1	1	0	0	---	1	0	0	0	0	0	0	0	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	2	1	0	0
16	1	1	0	0	0	0	0	0	0	0	1	1	2	2	2	4	4	2	1	1	1	1	1	1	1
17	1	1	1	2	0	0	0	0	0	0	1	---	4	1	1	1	1	2	4	4	3	3	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	2	3	1	
19	7	7	10	9	5	12	9	14	19	16	15	9	11	8	10	24	16	3	2	2	2	2	1	4	9
20	19	20	13	14	7	3	3	4	7	10	19	15	9	6	4	6	8	3	2	3	1	1	2	1	8
21	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
23	2	2	1	1	1	1	1	1	1	2	3	3	3	3	2	3	2	2	2	2	3	2	2	2	2
24	1	1	1	1	1	1	1	1	1	2	3	3	4	2	1	0	1	1	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	2	1	7	14	4	4	2	2
27	6	19	10	7	3	2	1	2	3	3	4	3	3	3	3	2	1	1	1	1	1	1	1	1	3
28	1	1	1	1	1	1	1	2	2	2	2	3	3	2	1	1	1	2	2	1	1	1	2	2	2
29	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
30	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
31	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	2	3.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 27051					HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA										MONTH - APR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	8	13	6	5	3	2	5	8	8	3
2	8	8	8	8	9	5	9	5	3	2	2	2	---	3	3	5	5	6	15	13	7	3	2	1	6
3	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	1	1	2	2	1	1	1
4	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	18	14	9	3
6	13	10	8	5	14	3	2	2	2	1	1	1	2	3	3	3	4	2	2	2	1	1	1	1	4
7	1	1	2	2	2	1	2	2	3	3	3	4	5	10	9	17	26	12	4	12	18	16	3	2	7
8	2	2	2	2	2	1	1	1	1	1	1	2	0	2	1	1	1	1	1	1	1	1	1	2	1
9	1	1	4	10	3	1	1	1	5	7	6	9	7	3	6	9	2	1	0	0	0	1	0	1	3
10	0	1	1	4	6	11	13	5	2	2	2	3	3	3	3	5	8	9	13	13	18	7	7	8	6
11	5	4	4	6	6	5	5	3	2	2	0	2	4	2	2	3	2	8	4	3	8	2	2	1	1
12	1	2	2	2	2	2	2	3	1	1	2	4	8	4	2	2	2	1	1	1	2	1	8	2	2
13	7	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	3	2	2
14	2	1	1	2	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	1	2	1	0	1	1
15	3	7	5	11	10	16	9	5	4	3	3	2	3	3	12	14	20	10	5	7	3	1	1	1	7
16	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	2	2	2	2	7	1	1	5	14	11	7	0	9	9	11	17	36	23	22	23	19	14	13	12	11
18	8	14	11	11	14	11	14	5	4	2	2	3	3	7	5	4	44	20	29	22	18	5	3	3	11
19	3	2	1	2	1	1	3	3	3	5	6	10	27	13	13	18	12	22	23	13	11	15	18	12	10
20	16	18	17	3	8	8	12	8	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2	1	5
21	1	2	1	1	2	18	20	1	0	1	0	0	3	2	2	4	15	8	19	9	2	11	5	7	6
22	5	3	2	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	1	2	2
23	1	1	2	1	2	1	1	2	3	1	2	1	2	1	2	2	2	2	1	1	1	1	1	1	2
24	1	1	1	1	7	1	1	1	1	1	---	2	1	1	1	1	2	2	2	2	1	1	1	1	2
25	1	0	0	0	0	0	0	0	0	0	0	0	1	2	5	4	5	7	6	6	10	21	12	8	4
26	6	2	2	1	5	6	5	5	6	4	3	2	3	3	3	3	2	2	3	4	3	2	3	3	3
27	3	3	4	3	3	4	6	5	3	3	3	3	3	4	3	2	1	1	1	1	1	1	1	1	3
28	1	1	1	1	1	1	1	0	---	0	1	1	1	0	0	1	0	0	1	0	0	0	0	1	1
29	0	1	0	1	1	0	1	1	1	1	0	1	1	1	1	2	4	3	2	2	2	3	6	7	2
30	2	1	2	1	1	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
MEAN	3	3	3	3	4	3	4	2	3	2	2	2	3	3	3	5	7	5	6	5	5	5	4	4	3.7

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE



POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 27051 HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA																MONTH - MAY 80									
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	1	1	0	0	0	1	0	1	5	9	2	2	2	2	1	10	9	5	4	5	3
2	4	7	5	6	8	7	11	6	4	6	10	11	27	14	12	10	9	9	2	3	2	7	9	8	8
3	21	25	24	15	19	14	20	12	8	6	13	15	8	15	14	11	4	3	2	2	1	1	1	0	11
4	1	0	1	2	3	4	4	2	2	1	1	2	5	8	16	9	6	5	9	14	28	28	9	7	8
5	10	11	10	16	11	4	7	14	0	***	10	10	8	8	7	15	18	5	7	6	6	2	1	1	8
6	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	7	10	11	16	16	18	5	3	2	4
7	1	1	1	2	1	1	2	1	1	***	1	1	1	1	2	2	1	1	0	0	0	0	2	1	2
8	0	4	3	1	1	1	1	1	1	1	2	3	2	4	3	3	1	1	1	2	3	3	2	1	2
9	1	0	0	0	0	0	0	0	0	1	1	1	3	***	2	2	3	4	3	4	3	8	11	10	2
10	14	6	8	11	9	9	5	3	3	4	6	8	11	6	8	6	10	2	2	1	1	1	1	1	6
11	4	10	9	3	4	5	4	4	13	18	8	4	4	3	4	3	2	2	2	1	1	1	1	2	5
12	1	1	1	1	1	1	1	1	1	1	2	4	7	***	7	4	9	3	3	1	5	9	1	1	3
13	1	1	1	1	1	0	0	0	0	0	0	0	0	1	5	5	0	0	0	0	0	0	0	0	1
14	0	1	0	0	0	0	0	0	0	0	0	0	1	1	5	12	14	8	10	11	2	1	1	0	3
15	0	0	0	0	0	4	6	1	0	0	0	0	0	4	5	12	14	8	10	11	2	1	1	0	1
16	0	0	0	2	2	3	1	2	2	3	3	2	1	4	1	1	1	1	1	1	1	1	1	0	1
17	0	0	0	0	0	0	0	1	2	3	2	1	2	2	2	15	12	11	9	9	10	12	9	7	7
18	0	0	0	0	0	0	2	4	8	10	9	7	12	11	7	2	2	3	3	2	2	1	1	1	2
19	5	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2	2	1	1	1	2
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	1	3	2	1
21	2	2	1	1	1	1	2	2	3	4	3	2	2	2	2	8	8	14	8	11	9	23	25	27	7
22	13	17	12	9	2	5	12	15	13	10	14	12	11	12	8	7	9	12	12	17	20	21	16	17	12
23	9	10	10	5	25	24	25	25	23	20	7	6	5	4	5	6	3	2	3	5	2	1	0	1	9
24	0	0	0	0	9	9	8	6	3	4	8	4	5	5	5	5	8	13	11	6	10	7	6	2	6
25	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	3	2	2	2	2	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	6	3	3	1	2
28	1	1	1	1	1	1	1	1	2	3	5	5	4	2	2	2	2	2	3	2	2	2	1	1	2
29	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2	1
30	2	2	2	2	2	5	12	12	20	16	14	12	14	9	12	10	3	3	2	5	6	2	2	3	7
31	2	2	3	7	9	8	9	9	8	8	7	9	10	10	6	8	7	8	7	8	3	2	2	2	0
MEAN	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	5	5	5	4	4	4.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																									
POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 27051 HOLY TRNTY CHRCH NORTON/PORTAGE,CHIPPAWA											MONTH - JUN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	1	2	2	3	2	1	2	2	2	2	1	1	1	1	1	1
2	0	0	1	1	0	0	0	1	3	8	9	12	8	8	10	12	11	9	11	8	4	11	3	1	5
3	1	2	2	2	2	3	2	1	0	1	0	0	1	1	1	1	2	2	1	1	1	1	2	1	1
4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0
5	0	0	0	0	0	0	0	1	3	2	2	1	0	1	2	3	3	2	2	2	1	1	0	0	1
6	0	0	0	1	7	1	5	10	15	9	8	5	1	1	5	3	4	2	3	3	1	1	1	0	4
7	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	2	1	5	11	5	4	4	3	7	2
8	5	4	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	1	1	5	6	6	8	10	3	2	***	5	3	1	1	1	1	1	1	1	1	1	1	1	2	3
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	7	3	2	1
11	1	1	1	0	0	0	0	0	0	1	1	2	3	10	10	5	5	5	6	5	10	9	1	1	4
12	0	0	0	0	0	0	0	0	3	7	8	7	4	5	6	8	5	5	5	4	4	2	2	5	3
13	8	11	13	8	3	5	4	8	8	6	10	10	12	10	10	12	12	8	10	11	11	15	9	4	9
14	8	4	7	4	3	3	4	9	19	10	14	13	12	11	5	8	5	5	4	7	10	8	12	11	8
15	6	8	5	7	8	7	3	2	2	3	8	13	10	8	3	2	2	1	1	1	0	0	0	0	4
16	0	0	0	0	0	0	0	0	1	***	1	0	0	1	1	1	2	2	2	3	2	1	1	1	1
17	0	0	0	0	1	1	1	2	6	5	3	3	4	4	6	10	18	16	16	23	13	17	21	8	7
18	4	3	3	1	2	7	5	11	7	7	6	6	6	9	6	9	7	7	5	2	2	2	1	2	5
19	3	2	1	1	1	0	1	1	2	2	5	10	13	14	12	13	6	4	4	4	3	2	2	2	5
20	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	5	1	1
21	0	0	0	0	2	7	7	3	2	2	2	3	4	9	10	11	11	13	12	18	12	11	8	5	6
22	5	8	16	19	21	14	11	12	12	9	6	6	5	5	4	5	6	5	10	6	6	5	4	3	8
23	4	5	7	7	3	3	4	10	10	***	6	15	10	20	14	11	10	8	6	8	15	19	16	22	10
24	16	5	3	4	3	2	2	4	6	15	10	***	4	8	12	7	9	6	7	8	8	9	9	10	7
25	8	14	5	4	3	2	4	7	11	9	8	9	13	9	9	5	3	4	6	10	13	10	7	6	7
26	6	9	4	2	15	7	19	25	12	7	11	9	9	6	4	4	3	4	4	8	3	1	1	1	7
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1
28	1	1	2	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	2	3	2	3	3	7	9	15	12	4	3	2	2	2	1	3
30	1	1	1	1	1	0	0	0	0	1	***	1	1	2	2	2	2	2	3	3	2	2	2	2	2
MEAN	3	3	3	2	3	2	3	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	3	4.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 27051											HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA											MONTH - JUL 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	6	15	2	3	9	5	5	4	6	9	10	10	8	10	9	8	10	6	3	3	3	4	4	6	
2	7	8	9	11	11	7	6	6	3	2	2	2	2	3	3	3	2	2	2	1	0	0	0	0	4	
3	0	0	0	1	1	0	1	4	5	3	***	3	2	2	3	3	3	4	6	6	9	5	4	3	3	
4	2	4	6	8	5	9	8	5	2	3	3	6	13	13	15	9	6	9	8	9	14	5	3	10	7	
5	15	5	2	5	4	8	8	9	15	10	9	8	7	5	4	6	10	3	3	2	2	2	1	1	6	
6	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1	7	2	
7	14	10	1	2	1	0	6	5	4	***	8	8	12	9	5	6	8	11	16	10	9	12	9	12	8	
8	9	6	3	4	4	4	3	7	6	3	3	2	3	3	4	4	4	4	4	4	3	3	2	2	4	
9	2	4	2	2	1	0	0	1	2	2	6	5	10	9	4	3	7	6	5	6	4	4	3	4	4	
10	4	2	1	1	1	1	0	0	1	3	3	***	3	4	8	13	14	16	18	16	30	29	18	36	10	
11	31	28	18	21	28	15	6	10	18	14	13	11	11	13	12	6	4	4	4	4	3	2	2	3	12	
12	2	2	1	2	2	2	1	1	1	1	1	1	2	2	5	6	7	7	6	7	3	2	2	1	3	
13	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	3	5	6	7	5	3	3	4	2	
14	11	10	3	2	2	2	7	11	5	3	12	12	12	11	14	17	10	15	16	11	6	5	5	6	9	
15	6	5	6	10	13	18	11	12	17	11	4	5	8	14	7	10	13	11	11	9	6	7	10	12	10	
16	7	5	3	4	5	5	8	4	3	3	3	10	7	3	3	3	7	11	11	6	1	1	0	1	5	
17	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	4	2	2	2	2	1	1	5	
18	0	0	0	0	0	0	0	0	2	9	7	6	7	5	3	6	14	13	13	6	10	8	1	0	5	
19	2	3	3	13	3	9	14	12	5	12	15	12	12	13	15	6	7	10	11	19	10	6	6	8	9	
20	8	8	9	12	11	10	12	13	12	6	6	4	6	17	23	11	15	17	14	4	2	1	2	8	10	
21	7	5	3	2	3	7	4	6	6	8	7	4	5	5	8	23	33	10	13	14	11	9	6	6	9	
22	7	12	6	4	2	2	2	2	1	2	2	2	4	7	8	16	18	15	18	17	11	10	5	1	7	
23	3	2	3	1	0	0	0	0	1	0	0	1	1	3	12	17	6	2	3	2	1	1	0	0	2	
24	0	0	1	0	0	1	2	1	1	***	2	1	1	1	1	2	19	11	7	7	5	7	3	4	3	
25	7	4	11	11	9	1	2	8	10	10	10	11	15	12	10	11	7	8	12	25	27	24	30	12	12	
26	22	18	8	3	7	6	7	7	11	9	9	7	10	4	3	3	3	4	3	2	1	0	0	6	6	
27	0	1	1	1	0	0	1	1	1	3	4	5	9	6	6	5	5	6	7	8	3	2	2	1	3	
28	1	1	1	1	1	1	1	0	1	1	1	1	1	***	4	4	4	4	4	5	6	8	4	7	3	
29	11	9	9	12	8	5	4	4	4	4	5	5	7	10	9	11	5	8	6	4	3	2	2	2	6	
30	2	2	2	2	2	2	1	1	2	2	2	2	4	4	4	4	4	4	4	5	14	7	3	3	3	
31	2	2	3	2	2	3	3	3	5	6	4	5	11	8	8	5	7	5	4	4	3	3	3	3	4	
MEAN	6	5	4	5	4	4	4	4	5	5	5	5	6	7	7	8	8	8	8	7	7	6	4	6	5.7	

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27051					HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA										MONTH - AUG 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	4	4	4	3	3	4	5	5	5	5	5	6	8	11	12	12	10	11	10	4	8	6
2	6	10	12	10	8	5	5	5	5	6	11	12	13	14	15	15	7	4	4	4	5	4	4	4	8
3	4	3	3	3	3	3	3	3	4	4	5	4	6	8	6	7	15	12	11	11	8	12	5	4	6
4	4	3	2	2	2	2	3	5	3	3	3	4	4	4	4	5	5	5	5	5	4	4	3	4	4
5	3	3	3	3	3	3	3	4	6	9	9	11	9	***	8	9	10	11	13	6	2	1	2	1	6
6	2	7	4	2	2	2	2	2	2	2	3	5	7	7	7	5	5	9	21	23	7	3	3	9	6
7	17	14	8	6	8	4	3	6	6	6	4	4	6	3	3	2	2	1	1	0	0	0	0	0	4
8	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	6	5	4	5	5	3	5	5	10	3
9	2	2	1	1	1	2	2	1	1	1	1	2	2	2	3	3	3	3	4	2	1	1	1	1	2
10	0	0	0	0	0	1	0	0	0	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
11	0	0	1	1	1	0	0	1	1	0	0	1	1	2	2	3	6	5	3	3	3	2	5	3	2
12	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	1	***	3	4	4	4	7	7	4	2	2	3	2	2
14	2	2	2	2	2	2	2	3	3	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	1	1	1	2	2	***	2	2	2	2	2	2	2	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	2	3	3	1	2	2	3	3	4	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	***	2	6	5	3	5	4	3	3	3	2	5	5	2	2	3
19	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	4	6	7	6	3	4	10	7	3
20	2	2	4	3	2	1	1	2	4	3	5	4	4	4	3	2	2	2	1	1	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	3	3	3	2	2	2	2	2	2	2
22	***	***	***	***	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
25	2	2	2	2	3	6	4	5	3	4	5	3	3	3	3	3	3	4	5	7	3	2	2	2	***
26	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
27	***	***	***	1	2	10	6	7	3	2	2	3	***	***	***	***	***	***	***	***	***	***	***	***	***
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	0	0	0	0	0	0	0	0	0	***	1	2	5	3	3	3	3	2	2	2	2	2	2	2	1
30	2	2	2	2	2	2	2	2	2	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
31	3	3	4	3	3	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
MEAN	3	3	2	2	2	2	2	2	2	2	3	3	4	3	4	4	4	4	4	4	3	3	3	3	2.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27051		HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	1	1	3	3	6	6	9	12	18	8	4	9	3	3	4	8	20	5
5	13	7	2	1	1	1	1	1	1	2	2	7	9	4	4	1	1	1	1	16	16	3	9	18	5
6	14	3	2	2	9	2	4	6	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	3
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	10	6	1	1	1	1	1
8	2	1	0	0	0	0	0	0	0	0	0	2	2	3	3	2	3	2	2	2	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	2	0	2	1	0	1	1	1	1	1	1	1	1	0	0	1
10	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1
11	3	2	1	1	1	1	1	0	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	1	1	1	1	2	3	3	2	2	3	2	3	2	1	1	6	4	3	8	2
14	11	10	4	2	2	2	4	2	3	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2
15	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1
16	1	1	1	1	1	1	1	1	2	3	4	13	10	11	7	9	3	2	2	3	2	2	5	2	4
17	2	2	2	2	2	5	3	3	3	4	5	3	4	2	2	2	2	3	3	3	2	1	1	1	3
18	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	3	7	4	3	1	0	0	1	1
19	4	7	8	8	20	30	23	5	4	4	2	2	2	3	6	3	3	8	8	3	2	1	1	2	7
20	2	2	2	2	3	4	7	15	13	10	7	11	10	9	6	4	3	3	3	3	9	11	19	6	7
21	2	2	2	2	2	2	2	3	5	7	10	9	5	18	13	11	14	13	8	6	6	5	4	3	6
22	2	3	3	2	2	4	3	4	2	2	3	3	2	5	5	4	4	4	4	3	1	3	2	6	3
23	4	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
24	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	4	3	4	3	5	4	12	10	9	11	9	4	3	3	5	5	5	7	5	5
26	8	3	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1
27	1	1	1	1	3	3	3	3	4	5	6	10	11	9	12	13	5	3	2	1	1	1	1	2	4
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	4	4	4	2	2
29	4	2	2	2	2	3	3	3	3	3	1	0	0	8	7	5	5	12	7	6	8	8	2	1	4
30	5	13	14	10	9	10	5	4	14	14	13	8	12	10	10	10	9	4	0	0	0	0	0	0	7
MEAN	3	3	2	2	3	3	3	2	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 27051		HOLY TRNTY CHRCH NORTON/PORTAGE, CHIPPAWA												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	5	12	15	12	10	8	11	8	8	14	2	5	7	9	8	8	6
2	8	6	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	4	3	4	2	3	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2
5	0	0	0	0	1	1	4	1	0	0	0	1	4	1	1	1	0	0	0	0	0	0	0	0	1
6	1	2	1	1	1	1	1	1	1	1	1	4	3	6	5	6	16	12	3	2	3	4	3	4	4
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	12	11	10	10	11	11	11	7	2	5
8	2	2	3	7	16	20	12	10	11	8	6	4	4	4	4	5	6	6	3	2	2	2	2	2	6
9	1	1	1	1	1	2	4	2	1	3	2	2	1	1	1	1	1	1	5	10	7	3	1	1	2
10	0	0	0	3	3	0	0	2	2	3	2	2	1	5	9	9	3	1	1	1	1	1	1	1	2
11	2	3	7	4	1	3	5	23	7	7	9	5	7	13	10	2	5	3	1	1	1	1	1	1	5
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0
13	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	DATA INVALID												DATA INVALID												1
15	DATA INVALID												DATA INVALID												1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	2	4	6	6	5	3	3	8	6	3	3	4	2	2	3	3	3
18	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
19	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2
20	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	5	3	2	2	1	1	0	0	0	0	1	0	0	0	0	2	3	0	1	1	0	0	1
24	0	0	0	0	0	0	0	0	0	1	2	2	3	4	2	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	4	3	0
28	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	4	4	1	1	1
31	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	2	2	0	0	0	0	1	1
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	1	2	2	2	1	1	1.6

PERCENTAGE OF DATA VALID - 91.5

PERCENTAGE OF DATA INVALID - 8.5</







## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27051 HOLY TRNTY CHRCH NORTON/PORTAGE,CHIPPAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	1.4	7	32
FEB	29	2.3	13	35
MAR	31	3.0	14	32
APR	30	3.7	11	44
MAY	31	4.2	12	28
JUN	30	4.0	10	25
JUL	31	5.7	12	36
AUG	25	2.9	8	23
SEP	30	3.0	7	30
OCT	28	1.6	6	23
NOV	30	1.8	6	21
DEC	29	1.4	8	24
YEAR	350	3.0	14	44

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27051 HOLY TRNTY CHRCH NORTON/PORTAGE,CHIPPAWA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	639	12	5	2	2	2	0	0	0	662
FEB	618	31	14	9	8	5	0	0	0	685
MAR	627	46	28	20	15	2	0	0	0	738
APR	578	69	39	19	7	4	1	0	0	717
MAY	537	117	53	17	11	4	0	0	0	739
JUN	512	131	54	13	5	0	0	0	0	715
JUL	440	178	85	21	6	9	0	0	0	739
AUG	553	57	20	1	2	0	0	0	0	633
SEP	608	67	27	9	1	1	0	0	0	713
OCT	623	39	15	3	1	0	0	0	0	681
NOV	637	59	19	2	1	0	0	0	0	718
DEC	649	37	7	4	2	0	0	0	0	699
YEAR	7021	843	366	120	61	27	1	0	0	8439

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.1	0	0.0	0.1	0.9	2.3	8.1	11.5	16.4	20.3	44	3.0



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 28025		FARQUHAR/WYNDHAM ST. GUELPH												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21	-	-	-	-	-	-	-	-	-	-	-	-	----	0	0	0	0	0	0	0	1	2	2	1	-----
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	7	6	2	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	2	2	3	2	3	1	1
30	3	3	4	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0.4

PERCENTAGE OF DATA VALID - 32.9

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 66.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 28025		FARQUHAR/WYNDHAM ST. GUELPH												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	2	2	1	0
9	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0
17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
24	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	1	1	1	1	1	1	1	2	1	3	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
27	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
30	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 28025 FARQUHAR/WYNDHAM ST. GUELPH													MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	1	1	0
3	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1	1	1	1	1
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
6	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
9	0	0	0	0	0	1	1	1	0	----	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1
10	1	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	3	7	7	8	5	1	1	0	2
16	0	0	0	0	0	0	0	0	0	0	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	0
23	0	0	0	0	0	1	1	0	0	0	0	2	4	----	0	0	0	3	4	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	4	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "0" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 28025 FARQUHAR/WYNDHAM ST, GUELPH												MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0
3	1	0	0	0	0	0	0	0	1	2	2	3	----	3	3	4	3	2	2	1	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0
13	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0
17	1	1	1	1	1	1	1	1	1	0	0	0	0	0	4	1	1	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "0" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																				
STATION - WC NO 28025 FARQUHAR/WYNDHAM ST. GUELPH												MONTH - DEC 80																				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN							
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
4	0	0	0	0	0	0	0	0	0	0	2	9	1	0	0	1	4	1	0	0	0	0	0	0	1							
5	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	2	4	3	3	3	3	1							
6	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
7	0	0	0	1	1	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	0	0	0	1							
8	0	0	0	0	0	0	0	0	0	- DATA INVALID -																						
9																- DATA INVALID -																
10																- DATA INVALID -																
11																- DATA INVALID -																
12																- DATA INVALID -																
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0							
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
15	0	0	0	0	0	0	0	0	0	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	0							
16																- DATA UNAVAILABLE -																
17																- DATA UNAVAILABLE -																
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0							
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
22	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0							
23	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
24	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0							
27	1	1	2	1	1	1	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1							
28	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	4	1							
29	3	2	2	2	2	3	2	3	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0							
30	0	0	0	0	0	0	0	0	0	0	0	- DATA UNAVAILABLE -				0	0	0	0	0	0	0	0	0	0							
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
MEAN	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.3							

PERCENTAGE OF DATA VALID - 74.9      PERCENTAGE OF DATA INVALID - 15.5      PERCENTAGE OF DATA UNAVAILABLE - 9.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE				UNITS - 0.01 PARTS/MILLION	
STATION - WC NO 28025 FARQUHAR/WYNDHAM ST. GUELPH					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN		DATA UNAVAILABLE			
FEB		DATA UNAVAILABLE			
MAR		DATA UNAVAILABLE			
APR		DATA UNAVAILABLE			
MAY		DATA UNAVAILABLE			
JUN		DATA UNAVAILABLE			
JUL		DATA UNAVAILABLE			
AUG	10	0.4	1	7	
SEP	30	0.3	1	7	
OCT	31	0.3	2	8	
NOV	30	0.1	1	4	
DEC	22	0.3	1	9	
YEAR	123	0.3	2	9	



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 28025 FARQUHAR/WYNDHAM ST. GUELPH

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	DATA UNAVAILABLE								
JUN	DATA UNAVAILABLE								
JUL	DATA UNAVAILABLE								
AUG	243	2	0	0	0	0	0	0	245
SEP	718	1	0	0	0	0	0	0	719
OCT	739	3	0	0	0	0	0	0	742
NOV	716	0	0	0	0	0	0	0	716
DEC	556	1	0	0	0	0	0	0	557
YEAR	2972	7	0	0	0	0	0	0	2979

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
81.1	0	0.0	0.0	0.0	0.0	0.6	0.9	1.8	2.6	9	0.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	3	3	3	3	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	2	1	1	2	2	2	1	1	2	2	2	0	0	0	0	0	0	0	0	1
6	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	2	3	1
7	3	2	1	1	2	2	1	3	4	4	4	3	3	3	3	2	2	3	5	4	4	4	2	3	3
8	4	5	4	2	1	2	4	4	4	4	1	2	3	3	3	3	3	3	4	4	5	5	3	3	3
9	5	3	3	2	3	3	4	4	3	2	3	2	2	2	2	1	0	1	3	1	2	3	3	2	2
10	3	0	0	2	1	1	1	0	1	1	1	1	1	1	1	1	2	2	1	1	0	1	0	0	1
11	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1	2	1	2	1	4	5	4	2	3
12	3	4	3	3	0	1	0	1	2	3	2	3	2	2	2	2	2	3	5	3	3	4	7	3	3
13	2	1	2	2	1	1	0	0	1	1	0	0	1	1	0	1	1	0	1	1	1	1	1	1	1
14	1	1	1	1	2	1	1	2	5	4	3	2	2	1	1	1	1	0	0	0	0	1	1	1	1
15	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	3	3	4	3	3	3	1
18	3	4	4	4	5	4	2	2	3	3	4	4	4	4	3	2	1	1	1	0	0	0	3	3	3
19	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	3	0	1
20	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
21	2	3	3	1	0	1	0	2	2	2	2	1	2	1	1	1	1	2	5	2	3	5	3	4	2
22	4	3	3	2	2	1	1	1	2	2	2	3	5	4	3	4	4	3	2	3	3	3	3	3	3
23	3	3	1	0	0	0	0	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1
24	1	1	2	2	3	3	3	4	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	1	1	2	1	1	1	1	1	1	0	1	1	1	1	2	1	1	1	0	1	1	4	1
26	4	5	5	5	5	4	3	3	2	2	2	2	3	1	1	1	1	2	2	1	1	1	1	1	3
27	1	1	2	1	0	0	3	2	2	2	2	0	0	0	0	0	0	1	2	2	1	0	1	4	1
28	4	5	4	4	6	6	6	7	4	1	1	2	1	0	1	1	2	3	3	4	4	4	4	3	3
29	4	4	5	4	5	6	6	5	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.3

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - FEB 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
3	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
4	2	3	2	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1
5	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
6	3	3	3	2	2	2	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
7	2	1	2	2	1	0	0	0	0	0	0	1	2	0	1	1	0	0	1	2	2	2	2	2	1
8	0	0	1	1	1	1	1	1	2	2	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1
9	2	2	1	1	1	1	0	0	0	0	0	1	1	3	0	1	1	0	0	0	0	0	1	1	1
10	0	0	0	0	0	0	0	1	2	2	2	1	1	1	0	1	0	0	1	1	3	3	3	1	1
11	1	1	3	4	1	1	2	4	3	4	3	4	3	3	3	2	1	1	1	2	3	3	5	4	3
12	4	4	4	4	3	2	3	7	1	0	0	0	0	1	1	0	0	0	0	1	1	1	2	1	2
13	4	3	3	3	5	4	7	7	6	6	5	4	2	2	3	3	3	5	5	4	5	5	7	6	4
14	4	5	5	5	6	5	6	6	5	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
17	1	0	0	0	0	0	2	3	4	4	3	1	1	1	1	1	3	4	3	3	4	4	5	2	5
18	4	4	4	5	5	4	4	5	4	4	4	2	3	4	4	4	4	5	6	6	7	8	7	5	5
19	9	10	9	8	7	8	6	6	5	5	5	5	4	4	3	3	3	4	4	2	2	1	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	2	2	3	2	1	0	0	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	3	3	1	1	1
23	0	0	0	0	0	0	0	1	1	3	2	3	2	2	2	2	2	2	2	2	1	1	2	3	1
24	2	3	3	3	3	3	3	4	3	3	1	2	1	1	1	2	3	3	3	3	4	4	3	1	3
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	2	2	2	2	2	1
27	1	1	1	1	1	2	0	2	2	4	3	2	2	1	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.3

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
2	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0	1	0	0	1	2	3	4	1
3	4	3	3	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	5	5	4	5	4	1
4	5	5	5	5	4	3	4	4	6	5	6	5	4	5	4	3	4	3	4	4	3	2	2	4	1
5	2	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1
6	2	1	1	1	1	2	2	2	3	2	2	2	3	2	3	2	2	1	2	1	1	1	1	1	2
7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	2	3	2	2	3	3	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	3	3	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	5	5	0	0
19	7	4	5	2	2	3	2	4	5	0	5	4	2	3	2	3	2	1	1	1	0	0	0	0	3
20	4	4	7	7	7	7	4	3	3	4	5	5	4	0	4	4	4	2	4	1	1	1	1	1	4
21	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	1	2	1	1	2	5	3	3	2	0	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	1	1	2	2	1	2	2	3	2	1	1	0	0	1	0	1	1	1	1
26	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	2	1	1	2	1	1	0	0	1
27	1	2	2	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	1	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 88.4

PERCENTAGE OF DATA INVALID - 11.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - APR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	1	1	3	1	0
2	2	2	1	1	2	2	2	1	0	1	1	2	2	2	1	1	1	2	3	4	1	0	0	1	2
3	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	1
4	0	0	0	0	0	1	1	2	2	2	2	3	3	4	4	1	1	0	0	0	0	0	0	0	1
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	4	2	2	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	4	1	0	0	0	3	6	3	1	1
8	1	1	1	1	1	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	1
9	1	1	1	2	2	2	3	3	3	3	2	2	3	2	2	3	4	1	0	0	0	0	0	1	2
10	2	3	5	5	3	1	2	4	2	1	1	2	2	4	4	5	6	7	7	6	7	8	8	8	4
11	5	6	4	6	4	4	6	6	7	4	5	3	5	4	4	4	4	4	3	4	4	2	0	2	4
12	0	0	0	0	0	0	1	1	0	0	0	0	3	4	5	8	3	1	0	0	2	2	3	4	2
13	4	1	1	1	2	4	5	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	8	1
15	8	8	5	7	.....	.....	.....	.....	.....	6	6	6	7	.....	4	4	4	5	5	6	3	1	.....	0	5
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0
17	0	0	0	0	0	0	0	0	2	4	4	2	2	1	1	1	3	2	4	5	7	6	7	6	2
18	6	6	7	11	9	5	4	3	2	3	3	3	2	2	1	1	1	3	7	5	2	1	1	1	4
19	1	1	1	1	1	1	1	2	3	3	1	1	1	1	3	6	5	4	2	2	4	3	5	5	2
20	7	7	2	6	5	3	5	4	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	3
21	2	2	2	2	2	2	2	2	1	1	1	2	3	2	2	2	2	1	1	1	2	-	-	2	2
22	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	2	.....	.....	.....	4	2	1	1	1	1	1	1	1	0	1	1
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	3	2	2	2	2	2	.....	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	.....	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	2	2	2	2	2
30	2	2	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	1
MEAN	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 1.8 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. .... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	.....	-	0	.....	6	2	1	.....	.....	.....	1
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0
3	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	0	0	.....	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	3	1	2	3	1	1	2	4	.....	3	1	2	1	1	2	1	1	1	3	1	3	4	1	0	0
6	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	1	3	2	1	0	2
7	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1
8	3	2	1	2	4	3	3	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	.....	0	.....	0	1	0	0	0	0	1	0	0	0	0	0	0	1	2	0
10	1	1	2	1	2	1	1	1	1	1	0	0	0	1	1	1	0	0	0	1	0	0	0	0	1
11	0	2	1	0	0	1	1	0	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	.....	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	1	3	3	2	2	1
22	2	2	2	2	4	5	2	2	2	2	3	2	1	0	0	0	0	0	0	0	0	1	0	1	1
23	3	0	1	2	1	1	1	1	1	1	.....	0	1	0	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	0	0	0	0	0	0
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0
27	0	.....	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MEAN	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 91.4 PERCENTAGE OF DATA INVALID - 8.2 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. .... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - WC NO 29008					NORTH PARK HAMILTON					MONTH - JUN 80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</
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PERCENTAGE OF DATA VALID - 87.5

PERCENTAGE OF DATA INVALID - 11.4

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - WC NO 29008					NORTH PARK HAMILTON										MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	1	1	1	0	1	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1			
2	1	1	1	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0			
4	0	1	1	2	1	1	1	4	5	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
5	1	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	1			
8	2	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....			
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	2	1	3	2	3			
11	3	2	2	2	3	1	1	2	3	2	1	1	0	0	0	1	1	1	0	0	0	0	0	0	1			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2	0	0			
14	0	0	0	0	0	1	0	0	1	1	1	1	1	0	1	1	3	1	1	0	1	1	0	1	1			
15	1	1	1	1	0	0	1	1	0	0	0	0	1	1	1	2	3	3	1	0	1	1	1	0	1			
16	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0			
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0			
23	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1			
24	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2	0			
25	1	0	0	1	1	1	1	1	1	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
26	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	0	0	0	0	1	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
MEAN	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3			

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.2



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - AUG 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	
2	2	1	3	3	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	1
3	0	1	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	1	0	1	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	0	0	0	0	1	0	0	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
6	1	2	3	3	3	3	2	1	1	1	1	1	2	2	2	2	1	1	1	1	3	2	6	2	2
7	6	2	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	1	1	0	1	1	1
8	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	1	1	0	1
15	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	2	1	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	3	0	0	0
20	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	0	1	1	0	0	1	1	1
23	1	1	1	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	1	1	1	0	1	1	2	1	1	0	0	1	0	0	0	0	0	1	1	1	1	1	1
25	1	4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	6	1	1
26	4	3	5	2	2	2	3	3	3	4	2	2	2	2	2	2	3	3	2	4	7	7	4	1	1
27	5	5	2	1	1	1	5	3	6	6	3	3	2	2	2	2	2	2	3	4	4	5	2	1	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	0	1	1	0	0	0	0	0	0
31	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	2	1	2	1	0	0	0	0	0
MEAN	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	5	1	1	0	2	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	1	1	2	1	1	1	1
4	1	2	3	3	2	4	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1
5	0	0	1	7	6	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0
9	1	2	1	0	2	2	2	3	3	4	3	3	3	3	3	2	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	8	9	1
11	10	8	8	7	7	7	7	7	4	3	2	3	3	2	1	1	1	5	4	5	6	5	3	5	5
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	1	2	2	2	2	2	2	3	2	2	2	2	1	0	0	0	0	0	1
17	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	1	0	0	1	1	1	1	2	3	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2
19	3	3	3	3	3	3	3	2	2	2	1	1	1	1	1	2	1	2	1	1	1	1	1	1	2
20	1	1	1	1	1	2	5	6	3	5	4	5	5	4	3	3	2	4	4	2	1	4	2	1	3
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	4	5	4	2	1	2
22	1	2	4	4	2	3	2	2	2	1	2	2	1	3	5	4	3	2	4	2	2	1	1	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
24	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	2	3	5	6	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2
27	1	1	1	1	5	6	6	5	3	2	2	2	2	3	3	3	3	4	4	6	6	4	1	1	3
28	2	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
30	1	0	1	1	1	4	3	5	4	4	5	4	3	3	3	3	2	3	3	2	2	2	2	2	3
MEAN	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1.3

PERCENTAGE OF DATA VALID - 91.0

PERCENTAGE OF DATA INVALID - 8.5

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29008												MONTH - OCT 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	3	3	2	1	3	4	5	3	3	3	3	3	1	3	4	2	2	1	1	1	1	2	4	2
2	2	1	1	0	1	2	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	2	1	1	1	1	1	3	2	2	3	3	2	1	1	1	1	1	1	2	3	2	2	1	2
5	1	2	3	6	6	3	7	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	0	1	1	1	5	6	4	3	2	1	1	3	3	4	1	4	2	1	4	5	2	2
7	2	4	1	1	0	0	1	1	1	2	1	1	1	1	1	2	2	1	1	1	4	2	2	3	2
8	5	4	3	5	3	3	2	1	3	1	1	4	3	3	3	1	1	1	0	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	2	3	4	1	2	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	2	2	2	1	1	0	0	0	1	1	0	1	1	1	0	1
11	1	1	1	3	4	5	4	4	4	4	3	4	2	1	2	2	1	1	2	4	5	5	5	5	3
12	6	1	2	4	1	2	2	1	3	1	1	1	1	0	0	1	0	1	1	0	0	0	0	0	1
13	1	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	3	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	0	1	0	1	1	0	1	1	0	1	1	3	3	3	1	1	1	2	3	4	1	3	1
18	3	4	4	4	4	7	6	4	4	4	4	4	3	4	3	4	4	5	6	5	1	3	7	6	4
19	6	6	4	5	5	5	4	4	5	2	1	0	0	0	1	0	0	0	1	4	5	6	5	5	3
20	6	4	3	0	1	1	1	0	0	1	1	1	2	1	2	3	3	0	3	4	3	3	4	5	2
21	4	5	2	3	4	5	1	4	2	3	2	3	2	1	0	0	0	0	0	0	0	0	0	0	2
22	1	1	0	0	0	2	2	0	1	1	1	1	1	2	1	1	1	1	1	0	1	0	0	0	1
23	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
24	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	5	5	5	5	5	5	5	4	4	4	1	3	2	2	2	2	3	4	1	2	5	5	3	4
27	5	4	5	5	4	5	5	6	6	6	4	3	3	4	3	3	3	2	2	4	4	2	4	4	1
28	2	3	1	4	2	1	1	1	1	1	1	1	1	0	0	1	0	0	0	3	3	3	4	1	1
29	3	5	5	7	4	4	5	6	3	1	1	1	1	0	1	1	2	4	5	1	0	0	0	0	3
30	0	0	1	2	4	3	3	4	5	4	3	4	3	3	4	4	4	5	4	4	5	4	5	4	3
31	5	4	5	4	4	5	4	4	4	3	3	2	3	3	3	4	2	5	5	6	1	4	3	1	4
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	1	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 94.1

PERCENTAGE OF DATA INVALID - 4.8

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29008												MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0
3	0	0	0	-	0	0	0	1	0	2	5	7	6	5	4	3	3	2	2	2	2	1	2	2	2
4	2	1	1	0	0	1	5	4	5	5	4	6	3	4	4	4	1	3	2	1	0	4	2	0	3
5	2	4	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	5	7	1
6	4	4	6	4	6	6	6	5	6	5	4	4	5	4	5	5	7	5	4	6	5	5	6	6	5
7	6	6	5	4	3	3	5	6	5	5	5	5	5	5	5	7	5	5	2	1	0	0	0	0	4
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
9	0	0	0	0	1	0	1	1	7	6	5	3	3	1	1	1	1	4	5	2	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
12	0	0	1	1	1	2	2	3	3	5	3	3	2	2	-	1	1	0	0	0	1	1	0	0	1
13	0	0	1	1	2	4	4	5	7	6	6	6	6	3	3	3	3	3	2	2	2	2	2	2	2
14	1	4	6	4	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	3	3	1
17	2	3	2	1	1	1	1	1	0	0	-	0	0	0	0	0	0	1	1	1	1	1	1	2	1
18	3	2	2	1	1	0	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1
19	0	0	0	1	3	5	5	3	3	3	5	3	4	2	1	0	4	4	4	5	6	10	7	7	4
20	9	13	10	9	11	11	9	10	9	7	6	5	5	5	6	7	7	4	4	2	2	5	5	7	7
21	10	6	4	4	3	3	3	3	7	4	4	5	5	4	1	1	1	0	0	0	0	0	0	0	3
22	3	1	2	5	7	8	7	10	10	10	5	4	4	5	3	4	9	10	9	7	7	8	7	6	6
23	6	8	8	8	9	12	5	12	10	7	5	4	4	4	3	3	3	2	1	1	2	4	2	2	5
24	5	4	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	3	1	0	1	6	7	6	9	6	5	3	1	0	1	0	0	0	0	0	1	0	0	0	0	2
27	-	0	0	0	0	1	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	2	4	3	2	1	3	4	7	5	5	4	4	6	6	2
29	6	8	6	5	5	5	5	6	4	5	4	4	5	5	4	0	3	2	6	6	9	10	6	6	5
30	6	7	6	6	7	6	6	6	6	5	5	5	5	4	2	1	2	1	2	5	6	6	6	7	5
MEAN	2	2	2	2	2	3	2	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 29008 NORTH PARK HAMILTON										MONTH - DEC 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	7	7	9	7	7	7	2	3	2	....	....	....	....	....	....	....	1	2	1	1	1	1	1	4
2	1	1	1	1	1	1	1	1	1	1	....	....	....	....	....	....	....	1	1	1	1	1	1	1	2
3	1	1	2	1	1	1	1	1	2	2	2	2	2	9	2	6	8	7	3	6	3	2	1	1	3
4	1	1	1	1	1	3	7	7	4	3	3	2	....	1	1	1	1	1	1	1	1	1	1	1	2
5	3	3	3	3	3	3	3	3	3	....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	1	3	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2
7	2	2	3	3	2	2	2	1	2	2	1	2	1	1	2	2	2	2	4	6	3	3	3	4	3
8	2	2	2	5	4	2	3	3	4	8	0	7	7	7	6	3	2	1	2	1	1	1	1	1	3
9	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
10	6	7	5	5	6	6	5	5	6	6	5	4	4	5	5	6	....	....	1	1	1	1	1	1	4
11	1	1	1	1	1	3	4	4	9	8	3	2	3	2	2	3	3	4	5	5	5	5	5	5	3
12	6	6	6	3	4	10	6	4	3	2	3	3	3	....	6	6	7	7	7	7	6	2	2	2	5
13	5	5	5	4	4	2	1	1	0	0	1	1	1	1	2	0	0	0	1	4	5	5	5	5	2
14	3	3	4	5	5	6	6	6	3	0	0	0	0	0	0	0	0	2	3	5	4	4	5	6	3
15	5	5	9	5	5	8	8	7	6	3	2	4	3	....	....	4	1	2	....	3	3	3	2	2	4
16	2	2	1	1	2	2	1	2	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	1	4	5	5	2	1	2	4	4	5	2	....	5	6	6	2
18	7	6	6	6	6	7	6	6	1	....	1	1	1	1	1	1	4	5	4	5	6	5	5	4	2
19	1	1	2	1	0	0	0	0	0	0	1	0	0	0	0	1	0	1	3	3	4	5	5	6	2
20	7	6	7	7	4	7	8	4	1	2	3	2	1	0	1	1	0	2	8	9	11	10	7	7	5
21	7	9	6	8	8	9	8	7	8	7	5	5	4	2	3	3	1	5	5	7	10	8	8	11	6
22	4	9	9	10	7	5	3	3	5	5	3	3	3	2	2	2	1	1	1	1	2	2	3	6	4
23	7	8	9	10	9	6	6	6	11	8	7	7	6	6	4	5	5	5	....	6	8	7	8	7	7
24	7	8	7	7	7	8	6	6	5	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3
25	0	0	0	0	0	0	0	0	3	5	5	4	3	4	4	3	3	3	6	6	5	5	5	3	3
26	2	4	5	5	5	5	3	4	3	4	4	3	3	3	6	7	5	5	5	3	2	2	2	3	4
27	7	4	2	2	2	2	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	2
28	2	2	2	2	2	3	2	2	3	5	6	8	8	8	10	9	8	10	12	9	11	10	11	6	6
29	5	5	6	4	5	4	5	4	3	2	3	3	2	2	1	1	1	0	1	1	1	1	1	1	3
30	1	1	2	1	1	1	1	1	2	3	2	3	3	3	3	3	1	0	0	0	1	2	2	1	2
31	1	2	2	1	2	2	2	0	0	1	0	0	0	0	0	1	0	1	0	0	1	1	1	1	1
MEAN	3	4	4	4	3	4	4	3	3	3	3	3	3	3	2	3	2	3	3	3	4	3	3	3	3.1

PERCENTAGE OF DATA VALID - 95.3

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "...." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008

NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.3	3	7
FEB	29	1.3	5	10
MAR	27	1.0	4	7
APR	30	1.7	5	11
MAY	29	0.4	2	6
JUN	28	1.0	3	9
JUL	31	0.3	1	5
AUG	31	0.7	3	9
SEP	27	1.3	5	10
OCT	30	1.9	4	7
NOV	30	2.2	7	13
DEC	31	3.1	7	12
YEAR	353	1.4	7	13



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	714	8	0	0	0	0	0	0	0	0	0	722
FEB	654	23	0	0	0	0	0	0	0	0	0	677
MAR	650	8	0	0	0	0	0	0	0	0	0	658
APR	663	37	1	0	0	0	0	0	0	0	0	701
MAY	679	1	0	0	0	0	0	0	0	0	0	680
JUN	623	7	0	0	0	0	0	0	0	0	0	630
JUL	730	0	0	0	0	0	0	0	0	0	0	730
AUG	717	8	0	0	0	0	0	0	0	0	0	725
SEP	635	20	0	0	0	0	0	0	0	0	0	655
OCT	680	20	0	0	0	0	0	0	0	0	0	700
NOV	605	99	5	0	0	0	0	0	0	0	0	709
DEC	564	139	6	0	0	0	0	0	0	0	0	709
YEAR	7914	370	12	0	0	0	0	0	0	0	0	8296

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.4	0	0.0	0.0	0.2	1.1	3.6	4.9	6.5	7.5	13	1.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
2	3	4	3	2	2	2	2	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1
3	1	1	1	1	1	1	1	1	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1
4	2	1	4	2	5	4	3	2	2	3	5	2	2	3	4	4	4	3	2	2	2	2	2	2	3
5	2	2	2	4	***	2	3	2	2	2	3	6	7	9	6	2	0	1	1	1	1	1	1	1	2
6	2	2	2	2	2	4	4	3	2	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1
7	3	2	2	3	3	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
10	1	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	2	4	3	3	3	3	3	3	2
11	3	3	2	2	3	2	2	1	1	1	1	0	1	2	2	1	1	1	1	0	1	1	1	0	1
12	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
13	1	2	2	2	2	2	2	2	1	2	1	2	3	2	2	1	1	2	2	1	2	2	1	2	2
14	2	3	3	2	2	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	5	5	2
15	4	5	4	4	3	2	1	2	2	3	5	5	3	3	4	4	2	4	2	2	1	2	2	1	3
16	1	1	1	1	1	1	1	1	1	1	2	1	2	3	3	3	3	***	4	5	6	5	5	5	2
17	6	4	5	5	3	3	3	2	2	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	2
18	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1
19	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
20	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	1	0	0	1	0	***	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
22	1	1	1	1	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	0	1	0	0	0	1
23	0	0	1	0	0	1	1	1	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	3	3	3	1
25	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2
27	2	1	2	2	2	2	2	1	2	1	1	1	1	2	2	2	2	2	3	2	2	2	2	3	2
28	2	2	2	2	2	2	2	2	1	2	2	1	2	1	2	1	2	2	2	2	2	2	2	2	2
29	3	3	3	3	3	2	2	2	3	3	3	3	3	2	2	2	2	3	3	2	2	2	2	2	3
30	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
MEAN	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	1	1	1	2	1	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	3	4	3	2	1	1	****	1	0	1	1	1	2	4	3	2	2	2	2
2	2	1	2	2	2	3	2	2	1	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2
3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1
4	4	4	3	3	3	3	3	2	1	1	1	2	1	1	1	2	1	1	1	2	3	2	2	2	2
5	2	2	2	3	3	3	3	4	4	4	3	2	1	1	1	1	1	1	3	2	2	3	4	4	3
6	4	3	4	3	2	3	2	3	2	2	2	2	2	3	5	6	3	5	4	4	2	2	1	1	3
7	2	2	2	2	2	1	1	1	0	****	0	0	1	0	0	0	1	1	1	1	1	1	2	1	1
8	1	1	2	2	3	3	3	3	3	2	1	1	1	1	1	1	1	1	2	3	3	3	3	3	2
9	4	3	3	3	3	3	2	2	1	1	1	1	2	2	3	2	2	2	0	0	0	2	2	2	2
10	1	1	1	1	1	1	1	2	3	3	2	0	0	0	1	1	0	1	1	0	1	0	1	1	1
11	1	1	1	1	1	1	1	2	2	****	****	1	1	1	1	0	0	1	0	1	0	0	0	0	0
12	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	1	1	1	2	2	2	2	2	1	0	0	1	1	1	1	1	1	2	2	2	2	1
14	1	1	2	2	2	2	3	3	3	3	3	1	1	1	1	0	1	1	1	1	2	1	1	1	2
15	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1	****	4	3	****	2	1	2	****	1	2
16	3	4	2	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2	2
17	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	2	2	1
18	2	2	1	1	1	2	1	2	1	2	2	2	2	3	3	2	2	2	2	3	3	4	4	4	2
19	5	6	7	6	5	5	4	4	4	4	4	3	3	3	3	2	2	2	3	3	4	3	3	2	4
20	3	2	2	2	2	2	4	3	3	3	3	4	4	4	3	1	1	1	1	1	1	1	1	1	2
21	1	1	2	2	2	2	2	2	2	1	2	2	2	1	2	4	3	4	2	3	4	4	5	4	2
22	3	5	4	4	3	3	3	2	2	2	2	2	1	1	****	1	1	0	0	0	1	0	0	0	0
23	0	0	0	0	0	0	1	1	1	2	3	3	4	4	4	3	3	4	2	2	2	2	0	0	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	0	0	1	2	3	2	2	2	0	0	0	0	0	0	0	1
26	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	****	2	1	1	2	2	2	2	2	1
29	2	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	2	2	1	1	1	1	1	1
MEAN	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	1.5

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	2	2	2	2	1	0	1	1	1	0	1	1	1	1	1	1	2	2	2	2	1
2	2	3	2	2	3	3	3	3	4	8	5	2	1	1	1	1	1	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
4	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	3	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	***	2	3	2	1	1	1	1	1	1	0	0	0	2
6	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
7	1	1	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2
8	4	5	4	5	4	5	5	4	6	6	4	5	7	5	0	0	0	0	0	1	1	1	2	1	3
9	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	1	1	1	1	1	1	1	1	****	2	2	2	2	1	1	1	1	1	1	1	0	0	1	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
12	0	0	1	1	1	1	1	1	0	0	0	0	0	1	3	4	5	8	3	2	1	2	1	1	2
13	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
14	3	2	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	0	0	0	1	1	1	0	1
15	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0
16	2	3	4	2	2	1	1	2	3	3	3	3	3	4	5	5	4	3	4	5	5	4	4	1	3
17	2	2	1	1	1	3	4	3	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	4	1	0	1	1	0	1	1	1
20	1	2	2	2	2	2	3	2	2	2	1	1	1	****	3	1	13	9	2	1	1	3	2	1	3
21	3	3	2	3	4	3	4	6	4	3	3	4	2	1	1	1	1	0	1	1	1	1	1	1	2
22	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	1	0
23	0	1	1	1	1	2	1	1	0	1	1	2	1	1	1	3	4	3	1	3	2	1	1	2	1
24	4	4	5	3	3	4	6	4	5	6	4	4	5	4	4	3	4	4	4	4	2	3	1	1	4
25	1	1	1	1	1	1	1	1	3	2	2	3	2	3	2	2	1	1	0	1	0	1	1	1	1
26	1	1	1	1	1	1	1	0	1	1	1	1	2	3	1	2	2	1	1	1	1	1	1	0	1
27	1	2	2	2	4	4	3	3	5	3	2	2	3	4	4	4	3	4	3	3	2	7	5	4	3
28	2	1	1	2	2	2	1	1	4	7	5	6	5	6	8	8	8	8	7	5	5	7	3	5	5
29	4	5	2	3	2	3	4	4	3	5	5	6	7	7	7	7	8	8	8	8	9	2	1	5	5
30	1	1	1	1	1	0	0	0	4	6	3	3	5	6	10	6	5	3	2	2	2	2	3	6	3
31	6	5	5	5	4	6	5	4	4	4	5	6	7	8	7	6	6	5	3	6	6	5	2	6	5
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1.9

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 29025		BARTON/WENTWORTH HAMILTON												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	6	3	3	3	1	1	2	5	8	9	8	5	3	4	1	2	3	2	2	1	1	1	1	3
2	1	1	1	1	1	1	1	2	2	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1
3	2	5	2	2	3	4	3	6	4	3	4	4	-	6	4	5	6	4	3	3	2	3	3	4	4
4	3	3	2	2	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1
5	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	1	0	1	1	1	1
6	1	1	1	1	1	1	1	0	2	3	3	4	7	7	7	6	8	8	9	7	7	10	6	6	4
7	6	7	7	7	6	4	3	7	6	6	10	6	2	2	4	6	3	2	1	1	1	1	1	1	4
8	1	1	1	1	1	1	0	1	2	2	6	7	7	7	3	4	4	4	2	2	1	1	0	-	3
9	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	2	1	1	1	1
10	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	1	2	6	6	6	4	3	2	1	1	1	1	1	1	0	0	0	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	2	6	8	7	6	3	4	5	4	4	4	3	3	3	2	3	4	5	6	5	3	1	1	1	4
15	1	0	0	1	-----	-----	-----	-----	-----	0	0	0	0	0	1	0	0	0	0	0	0	0	-----	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
17	1	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	2	1	1	0	1
18	0	1	1	0	1	1	1	1	1	1	4	5	4	2	1	1	2	3	7	4	1	1	1	3	2
19	1	1	1	1	2	3	4	4	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
20	1	1	1	0	1	1	1	1	0	1	1	1	1	0	0	1	2	3	3	2	1	0	1	1	1
21	1	1	1	1	2	1	1	1	1	0	3	3	2	1	0	0	0	0	0	1	2	-	-	1	1
22	1	1	1	1	1	2	6	6	3	5	5	5	6	7	7	5	4	6	8	6	7	4	-	6	4
23	7	7	7	7	8	7	8	6	5	5	5	5	6	7	3	4	2	1	0	0	1	1	1	0	4
24	0	1	1	2	1	1	1	0	1	5	6	-----	-----	6	2	1	7	4	6	6	6	5	3	3	3
25	5	1	1	1	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1
26	1	1	1	1	1	2	2	2	2	3	7	5	3	3	3	4	5	9	5	4	1	1	1	1	3
27	1	1	1	1	2	2	2	3	3	6	4	5	4	3	4	5	4	6	5	4	4	3	4	2	3
28	3	3	3	3	4	4	6	5	6	6	3	1	2	2	4	3	4	4	4	3	5	5	6	5	4
29	5	7	8	6	5	8	5	6	4	3	3	4	4	3	3	4	2	2	3	3	1	2	2	1	4
30	1	3	2	2	2	2	2	1	2	1	2	1	2	3	3	3	5	2	4	-	4	1	1	1	4
MEAN	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	3	2	2	2	2	2	1	1	2.1

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 29025		BARTON/WENTWORTH HAMILTON												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	1	----	1	0	1	0	0	1	1
2	1	1	1	1	1	2	2	1	1	4	----	2	1	2	2	1	1	1	1	1	1	1	1	0	1
3	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	2	2	0	0	0	0	1	0	0	1
4	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	1	1	1	0	0	1	1	1	0	0	1	2	1	2	5	2	1
11	2	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1
12	1	1	2	2	2	1	2	2	2	2	2	4	4	3	5	5	3	2	2	3	2	1	1	1	1
13	3	1	2	2	1	1	0	3	4	3	4	5	3	3	2	2	7	3	1	0	1	1	1	1	2
14	1	1	0	0	0	0	0	0	1	1	1	1	0	1	0	1	1	0	0	1	0	0	0	-	0
15	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0
16	1	0	0	0	1	1	1	1	1	1	2	1	0	1	1	0	0	0	0	1	1	1	1	1	1
17	0	1	1	2	1	1	5	5	7	8	12	9	8	8	6	15	12	6	1	1	0	1	2	1	5
18	1	1	1	2	2	2	5	3	1	0	1	1	1	1	-	1	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	12	8	3	2	2	1	1	1	0	1	1	1	1	2
20	0	1	1	1	1	1	2	5	7	7	5	4	6	9	6	8	7	8	14	11	6	4	2	1	5
21	1	1	1	1	1	2	3	2	2	6	6	4	5	5	6	4	1	1	0	1	1	0	0	0	2
22	0	0	0	1	2	2	2	1	1	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1
23	0	0	1	-----	0	1	1	2	1	2	-----	1	1	1	1	1	1	1	2	2	3	2	1	1	1
24	1	1	1	1	1	2	1	3	2	3	3	3	5	6	3	1	1	2	2	3	2	1	1	1	2
25	1	0	1	0	0	0	0	1	3	2	2	1	1	2	2	4	2	2	4	0	0	0	2	-----	1
26	-----	-----	-----	-----	-----	1	0	0	2	0	7	-----	-----	0	0	0	0	0	0	0	0	0	0	0	0
27	0	-----	0	0	0	0	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1	0
28	1	1	1	1	1	2	2	0	3	4	3	4	3	-----	9	5	4	3	2	1	1	1	2	2	2
29	1	1	3	3	5	5	7	9	5	7	-----	4	4	12	10	-----	2	6	3	1	1	2	2	3	4
30	2	2	2	1	1	1	1	3	4	6	9	9	7	2	1	1	1	1	0	1	1	0	0	0	2
31	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 2.3 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	1	1	2	3	2	5	4	4	1
2	4	2	1	1	0	0	0	1	0	1	1	1	2	3	1	1	1	0	0	0	0	0	0	0	1
3	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	2	2	2	2	3	2	2	1	0	0	1	0	0	0	0	1	3
6	4	4	1	2	4	2	3	2	2	2	1	1	1	4	9	5	5	4	1	0	0	1	0	0	3
7	0	0	0	0	0	0	1	0	0	0	0	0	3	3	3	1	0	0	0	0	0	0	1	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	2	2	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1
12	1	1	1	2	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	3	2	2
13	1	1	1	1	2	1	1	1	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3	3	2
14	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	2	1	1	1	2	1	1	2	3	2	2	2	1	3	3	4	4	6	3	3	3	3	2	1	2
17	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	3	3	1	1	1	1	1	1	2	1
18	1	1	1	1	2	2	3	2	2	2	1	1	1	2	2	1	1	3	4	4	5	5	4	2	2
19	1	2	2	2	3	3	5	4	3	4	3	4	6	5	5	5	6	5	3	2	1	1	1	1	3
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1
21	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
22	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	2	3	2	1	2	3	3	3	3	2	3	3	3	3	3	2	3	2	2	2	3	4	2
25	4	4	3	3	2	2	1	1	1	1	2	3	3	2	2	2	2	2	1	2	1	1	1	1	2
26	2	2	2	3	3	2	3	3	3	2	2	1	1	2	2	2	2	2	2	2	2	3	2	2	2
27	2	1	1	1	1	1	1	1	1	0	1	0	1	2	5	4	6	5	1	1	1	1	0	0	2
28	1	5	5	7	4	3	3	3	5	3	3	2	5	5	4	4	5	6	6	6	3	3	2	2	4
29	1	0	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	3	2	1	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	1	1	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0	1	2	2	2	1	2	2	2	1	2	3	2	1	1	1	1
3	1	0	1	1	1	2	3	4	4	3	5	5	4	2	1	0	0	0	0	0	0	0	0	0	2
4	0	0	0	0	0	1	1	2	2	2	2	2	1	2	8	6	2	4	1	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	0	1	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	0	1	1	1	1	2	4	2	2	2	2	1	1	1	1	0	1	0	1	1	0	1	1
10	1	0	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	2	1	1	3	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	0	1	0
15	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	1	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0
17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	2	3	2	2	4	3	2	2	1	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	1	0	1	0	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1
21	1	1	0	1	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	0	1	1
26	1	1	0	0	0	1	1	1	1	1	2	3	3	2	1	2	2	1	2	3	1	1	0	0	1
27	0	1	1	1	1	2	2	2	2	2	4	5	1	3	4	4	3	3	1	2	1	1	1	1	2
28	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1
29	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	2	1	1	1	1	1	0	1	1	1	2	1	2	2	2	3	3	3	2	2	2	2
MEAN	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH - AUG 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1
2	0	0	1	0	0	0	***	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	1	1
4	0	0	0	0	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	***	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0	0	0	0	2	1	0	0	0	1
10	1	1	1	1	2	2	2	3	3	3	2	3	2	2	2	2	3	3	3	3	3	4	4	3	2
11	3	2	4	3	6	4	5	3	7	5	6	6	4	4	3	5	5	2	1	1	2	2	1	0	0
12	1	1	1	0	1	1	0	1	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1
13	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0
15	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	0	0	0	0	0	0	0	0
17	0	2	1	0	0	0	0	1	3	3	3	3	2	2	2	2	2	2	2	1	0	0	0	0	0
18	1	1	1	0	0	0	0	0	0	0	0	0	***	***	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	1	1	0	0	0	1	2	1	4	5	6	4	2	1	3	0	3	3	3	2	1	2	1	2
21	0	2	***	1	1	1	***	1	***	***	***	4	4	5	6	5	4	4	1	2	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	4	3	2	1	2	0	0	0	0	1
23	0	0	0	0	0	0	0	0	1	2	1	2	3	4	3	3	3	0	0	0	0	0	0	0	1
24	1	3	0	0	0	0	0	1	1	2	2	2	4	1	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	***	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1
27	0	0	0	0	0	0	0	0	1	1	3	1	2	1	1	1	1	1	1	0	1	1	1	1	1
28	0	1	2	1	1	2	2	2	2	2	2	3	3	2	4	3	3	4	2	2	3	2	1	1	2
29	1	1	0	0	0	1	1	1	2	2	2	***	7	4	3	3	4	2	2	2	3	2	1	1	2
30	1	1	1	1	0	1	0	0	1	1	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	1	3	5	3	3	2	4	3	1	2	1	1	0	1	1	0	1
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1
6	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1
7	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1
8	1	0	1	1	1	1	1	2	2	2	2	3	4	3	2	4	2	2	1	1	1	1	1	1	2
9	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
10	0	1	1	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	0	1
11	1	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	1	3	8	7	8	7	8	9	8	8	7	6	6	5	6	3	6	7	7	5	5
13	5	6	6	6	7	8	8	2	5	6	5	4	3	6	5	2	1	1	1	1	1	1	1	1	1
14	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	1	2	1	1	1
15	1	1	1	0	0	0	0	0	1	2	5	6	6	4	4	3	3	1	1	1	1	1	0	1	2
16	1	1	1	0	1	1	1	1	1	2	1	2	3	2	2	2	2	2	1	1	1	1	1	1	1
17	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1
18	1	1	1	1	1	1	1	2	2	3	3	2	2	1	2	2	1	0	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	6	5	5	1	1	1	1	1	1	1	1
20	1	1	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
21	0	2	1	1	1	1	2	2	1	5	7	3	2	1	1	1	0	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	1
24	0	0	1	1	1	1	1	1	2	1	1	2	3	4	3	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	2	2	3	7	4	10	5	4	0	1	1	3	1	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	1	0	0	0	0	0	0	0	0	0	0	1	3	2	2	2	1	1	0	1	2	1	3
29	1	1	2	2	1	2	2	1	3	***	5	4	7	6	5	3	4	2	1	1	1	2	1	1	1
30	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. ".\*" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.01 PARTS/MILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON																MONTH - DEC 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	1	2	3	3	1
2	4	3	2	4	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1
3	0	0	1	0	1	1	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3	5	2	2	6	4	1	1	1	1	1	1	2	1	1	2	2	2	2
5	3	3	3	3	2	3	2	3	2	1	1	2	1	1	2	2	1	1	1	3	3	3	2	2	2
6	1	1	1	2	3	3	3	3	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1
7	2	3	3	3	2	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-	-	-	1	0
12	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	1	1	0	0	0	1	2	1	0	0	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0	0	1	0	1
16	2	2	1	2	2	1	0	0	1	1	3	3	1	1	0	1	0	0	1	2	1	2	1	1	1
17	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	-	-	-	1
18	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
22	1	1	2	2	2	3	4	3	1	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2
23	4	4	5	5	5	4	4	4	3	3	3	3	3	3	2	2	1	1	1	2	2	2	3	3	3
24	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	1	1	1	1	1	2	0	1	0	0	0	1	1	1	0	0	1	1	1
26	1	1	0	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2
27	2	2	2	2	3	3	4	4	4	5	2	3	4	3	2	2	2	2	2	3	3	3	3	3	3
28	4	4	4	4	4	5	5	5	5	4	3	3	4	4	5	4	4	4	4	4	5	5	5	5	4
29	5	4	4	4	5	4	5	5	4	4	3	4	2	2	1	1	1	1	1	1	1	1	1	1	3
30	1	1	1	1	1	0	0	1	1	1	2	1	1	1	1	1	1	0	1	0	0	1	2	2	1
31	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	-	1
MEAN	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 24-HOURLY DATA FOR 1980

## POLLUTANT - SULPHUR DIOXIDE

## UNITS - 0.01 PARTS/MILLION

## STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	3	9
FEB	29	1.5	4	7
MAR	31	1.9	5	13
APR	30	2.1	4	10
MAY	31	1.3	5	16
JUN	30	1.4	4	9
JUL	31	0.6	2	5
AUG	31	0.8	3	7
SEP	30	1.2	5	10
OCT	31	1.0	6	11
NOV	30	0.9	4	11
DEC	31	1.1	4	6
YEAR	366	1.3	6	16



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	730	6	0	0	0	0	0	0	0	0	0	0	736
FEB	680	4	0	0	0	0	0	0	0	0	0	0	684
MAR	692	47	1	0	0	0	0	0	0	0	0	0	740
APR	622	84	0	0	0	0	0	0	0	0	0	0	706
MAY	684	33	6	1	0	0	0	0	0	0	0	0	724
JUN	675	9	0	0	0	0	0	0	0	0	0	0	684
JUL	733	3	0	0	0	0	0	0	0	0	0	0	736
AUG	719	7	0	0	0	0	0	0	0	0	0	0	726
SEP	683	32	0	0	0	0	0	0	0	0	0	0	715
OCT	708	26	1	0	0	0	0	0	0	0	0	0	735
NOV	711	2	2	0	0	0	0	0	0	0	0	0	715
DEC	720	1	0	0	0	0	0	0	0	0	0	0	721
YEAR	8357	254	10	1	0	0	0	0	0	0	0	0	8622

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.2	0	0.0	0.0	0.4	1.0	2.8	4.1	5.8	7.0	16	1.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001

67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	1	1	1	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
4	1	0	1	1	1	2	1	2	1	2	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	1	1	1	1	1	1	1	1	2	2	1	0	0	1	1	1	1	1	0	0	1	2	1
7	2	1	1	0	0	0	1	1	5	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	0	1	2	3	4	4	2	2	1	1	1	1	2	2	2	1	1	1	1	2	2	2
11	2	2	2	2	3	2	2	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	3	6	4	2	4	2	2	2	1	1	1	1	1	1	1	1	1	0	0	1	1	2
15	0	1	1	0	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	2	2	2	1	1	1	2	2	1	1
18	1	1	1	1	1	1	1	2	2	1	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0
22	3	2	3	4	2	2	1	3	2	2	2	0	0	0	1	2	3	3	2	2	1	1	1	2	2
23	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	2	2	2	2	2	2	1	2	1	3	2	1	1	1	1	1	1	1	1	1	1	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1	0
28	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	0	1	2	1
30	2	3	2	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1	0.6

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31001		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	4	3	0	0	0	0	0	0	1
11	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	3	4	4	7	5	6	3	5	13	12	9	3	6	8	7	3	3	3	2	2	3	3	2	3	5
19	4	4	5	6	5	5	7	3	5	4	4	6	5	5	4	4	4	2	3	4	3	3	3	3	4
20	2	2	2	3	3	3	3	3	2	2	2	4	4	4	4	3	3	3	2	1	1	2	1	1	3
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
23	0	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	3	5	2	2	2	2	1
24	2	3	3	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	2	1	6	1
27	8	1	1	1	3	5	5	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	2	2	4	1	0	0	0	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31001		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	2	3	2	2	2	2	1	2	2	1	1	1	1	1	2	2	1	4	3	5	5	2
2	5	3	4	5	5	5	5	3	2	2	2	0	1	2	2	2	2	2	2	0	0	0	0	2	2
3	2	1	1	1	2	3	2	2	1	1	1	1	4	3	2	2	2	5	4	2	2	2	1	1	2
4	1	1	1	1	1	1	2	2	1	1	1	1	3	3	2	2	2	2	2	2	2	2	2	2	2
5	1	1	1	2	2	1	1	1	1	2	2	1	2	2	1	1	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	3	2	1	1	2	1	1	1	2	2	1	2	2	1
7	2	1	1	1	1	1	1	1	1	1	1	5	6	3	3	1	1	1	3	3	3	2	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
9	1	1	1	2	2	2	1	1	0	0	0	0	0	1	1	2	2	2	2	2	3	2	1	1	1
10	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	2	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	0	0	0	0	0	0	0
20	1	1	2	2	1	1	2	2	2	2	3	2	1	1	1	1	0	0	1	3	3	3	1	1	2
21	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
24	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 57 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	-	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
2	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	0
3	0	0	0	0	0	1	0	1	0	0	0	0	1	-	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	1	2	2	1	2	2	3	3	2	2	1	2	3	1	1	1
8	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	-	0
9	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0
10	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	3	1	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	2	1	3	1	1	3	0	1	1
12	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	3	4	2	2	1	1	2	2	2	2	2	1	0	0	1	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
17	1	1	1	1	2	2	2	2	1	2	1	3	2	0	0	1	2	3	2	1	1	1	1	1	1
18	1	0	1	1	1	1	1	1	1	1	0	1	1	1	4	4	3	3	1	0	0	0	1	1	1
19	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	2	2	1	2	1
20	3	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1
21	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	1	0
22	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	1	0
23	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	4	1	1	2	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	2	3	2	2	2	1
30	3	2	2	2	3	3	3	3	3	2	3	5	4	2	1	1	1	3	1	-	1	1	0	0	2
MEAN	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0.8

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 57 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	-	3	***	1	2	2	0	0	0	0
2	0	0	0	0	1	2	2	4	7	8	***	***	6	6	7	10	4	2	2	2	2	2	3	2	3
3	2	2	3	2	2	3	3	3	3	2	3	8	8	4	2	2	2	2	2	2	2	2	3	3	3
4	4	4	4	3	3	3	2	2	2	2	2	3	3	4	4	4	6	4	2	2	2	2	2	2	3
5	3	3	3	3	3	3	3	3	4	2	2	3	2	0	0	0	0	0	0	0	1	1	1	1	2
6	1	1	1	2	1	1	1	1	1	2	1	0	0	0	0	2	1	1	1	1	4	***	2	1	1
7	1	3	3	1	3	2	2	2	0	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1
8	0	1	1	1	1	1	1	1	0	0	1	***	1	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	3	3	3	1	1	1	1	1	1	1	1	0	0	0	1	3	1
11	4	2	2	0	1	2	1	1	1	3	***	***	2	1	1	0	0	0	0	0	0	0	0	0	1
12	0	0	1	1	5	6	2	2	1	0	***	2	2	2	2	2	2	2	3	3	2	2	2	2	2
13	2	2	2	2	2	3	2	2	1	1	1	1	2	2	3	2	4	3	0	1	3	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
16	2	2	2	2	2	3	3	4	2	3	4	5	4	7	6	6	8	5	1	1	2	2	2	3	3
17	3	2	2	2	1	4	3	3	3	1	1	1	2	4	2	2	2	2	2	2	1	1	1	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2	3	3	2	2	2
20	0	0	0	0	0	0	2	0	0	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	2	1	1	1	1	1	1	2	1	1	1	0	0	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	2	2	1	2	2	2	2	2	2	***	***	0	0	0	0	0	0	0	0	1
23	0	0	1	0	0	0	1	1	3	2	2	2	2	2	2	2	1	2	1	1	1	3	1	0	1
24	0	0	0	0	0	0	0	0	1	1	1	1	3	5	7	4	2	1	0	0	0	0	1	1	1
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	1	1	0	0
28	0	0	0	0	0	0	0	0	3	6	3	2	1	1	1	3	1	0	0	0	2	2	1	0	1
29	0	1	0	0	0	0	0	0	0	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	1	1	2	2	5	3	2	3	4	5	5	5	3	3	2	2	2	2	1	1	1	2
31	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31001		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUN 80										24	MEAN
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	0	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	1	2	1	1	1	0	0	1	1
2	1	1	1	1	1	1	1	1	1	1	2	4	5	3	5	2	1	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1
14	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	0	1	0	0	0	0	1	1	1	1
18	0	0	1	1	1	1	1	1	2	2	2	1	1	0	0	0	0	1	1	1	2	1	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	1	0	0	0	1	0
22	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	2	3	1	2	0	1
23	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	3	4	2	1	1	2	1	1
24	1	1	1	1	1	1	2	3	3	3	4	4	3	5	4	2	2	2	2	2	5	4	2	2	3
25	2	2	1	2	1	1	2	3	3	3	2	2	2	2	1	2	3	5	1	1	1	1	3	2	2
26	2	2	9	3	1	2	3	7	7	6	5	4	1	1	2	3	2	3	2	0	1	1	1	1	3
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
MEAN	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31001		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - JUL 80										24	MEAN
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1
2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	1	1	1	1	1	1	1	1	5	1	2	2	1	1	1	1	0	0	0	1
4	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	2	1	1	0	1	1
5	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	1	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
7	0	0	0	0	1	1	1	1	2	2	1	1	0	3	1	0	1	0	1	0	0	0	1	0	1
8	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
10	0	0	1	0	0	0	0	1	1	2	1	1	1	2	1	0	0	0	1	3	1	1	0	0	1
11	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	6	2	1	1	0	0	0	1	2	1	0	3	10	7	3	1	2
15	1	1	1	1	2	3	2	1	1	0	1	1	2	2	1	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	0
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
20	0	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
21	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	3	2	2	2	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - AUG 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	0	0	0	0	0	1
8	0	0	0	1	0	1	0	3	2	2	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
10	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	2	2	1	0
14	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	2	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	1	1	0
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
20	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0
22	0	0	0	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	0	0	0	0	0	0	1
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2	1	3	2	1
26	2	2	2	2	2	2	2	3	2	3	3	3	3	3	2	2	2	2	3	3	2	2	1	2	1
27	1	1	3	2	2	2	2	2	1	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	5	2	1	0	0	0	0	0	1
4	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	1	2	1	1	1	1	0	1
5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	2	2	3	4	2	1	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	3	4	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	2	1	1	3	2	0	1	1	1
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	1	0	1	4	4	1	1	1	2	1	1	0	1	1	1	1
30	1	1	2	1	1	2	7	3	3	6	4	2	2	3	5	3	3	3	4	4	3	5	1	1	3
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 310C1		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	7	2	1	1	5	2	2	3	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	****	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	1	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	2	2	2	1	1	1	1	0	4	0	0	1	0	0	0	0	0	1
7	0	0	1	0	1	0	1	1	1	1	1	1	1	1	2	3	2	2	1	1	0	0	0	1	1
8	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1
10	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	****	****	0	1	1	1	0	1	1	****	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	1	1	1	1	1	1	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	0	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
23	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
24	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
25	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	1
30	0	0	0	0	0	0	0	0	0	0	0	3	2	3	2	3	2	1	1	3	8	5	1	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 310C1		67 COLLEGE ST FIFTH FLOOR TORONTO												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
3	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	3	3	2
4	3	2	1	0	0	0	0	1	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	0	0	1	4	4	2	1	6	1	0	0	0	1	5	1	2	1
6	0	0	1	0	0	0	0	0	1	4	1	1	5	3	2	1	1	2	1	1	0	0	0	0	1
7	3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	1	3	4	1	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	2	2	1	0	0	0	1	2	2	3	4	8	5	4	5	3	2	2	2	1	1	1	1	2
14	1	1	****	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	1	0	0	0
16	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
17	1	1	1	2	2	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
20	1	0	0	0	0	0	0	0	0	0	1	3	1	1	1	1	1	2	2	1	1	1	2	3	1
21	2	2	2	3	3	3	4	3	2	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	2	2	1	1	0	0	0	0	1	1	1	1	1	1	1
23	1	1	1	2	2	2	3	3	2	3	7	5	4	4	3	3	2	2	1	1	1	1	1	2	3
24	2	2	2	2	1	1	2	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	1
25	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
26	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	2	1	1	1
27	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	2	3	2	0	0
29	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	3	3	1	2	1
MEAN	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	2	5	1	1	1	0	1	1	1	1	1
2	1	0	0	0	0	0	0	1	1	1	1	0	1	1	1	2	1	2	2	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
6	1	0	0	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
7	0	1	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	15	2
8	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
9	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	1	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	0	0	0	0	0	0	0	0	0	3	4	3	2	3	4	4	4	3	2	1	2	0
16	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
17	----	0	0	0	0	0	1	1	1	1	2	3	6	3	1	1	4	----	----	----	----	----	----	----	2
18	----	2	2	2	2	2	2	1	1	----	----	----	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	1	2	2	2	2	3	4	4	3	3	2	2	1	1	1	1	2	2	4	2
23	4	7	8	10	7	7	6	5	6	5	4	5	4	3	5	3	3	----	2	2	2	3	3	5	1
24	3	3	3	3	3	2	2	2	2	1	3	4	2	6	10	7	1	0	1	1	0	1	1	1	2
25	0	0	0	0	0	0	0	0	1	3	4	2	5	4	4	6	7	3	2	2	2	2	2	3	2
26	1	1	1	1	1	2	7	4	4	3	3	5	5	4	4	6	7	3	2	2	2	2	2	3	2
27	2	2	2	3	3	5	7	6	3	2	2	2	1	1	2	1	1	1	1	1	2	3	3	3	2
28	4	3	3	2	4	8	7	5	5	4	4	5	7	6	5	4	7	5	4	4	4	4	4	5	5
29	6	5	6	6	6	4	4	3	3	4	3	3	2	2	2	2	2	2	1	1	1	1	1	1	3
30	1	2	2	2	2	2	2	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1
31	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	2	6
FEB	29	1.1	5	13
MAR	31	0.8	2	8
APR	30	0.6	2	5
MAY	31	1.3	3	10
JUN	30	0.6	3	9
JUL	31	0.5	2	10
AUG	31	0.4	2	5
SEP	30	0.3	3	7
OCT	30	0.5	2	8
NOV	30	0.6	3	8
DEC	31	1.2	5	15
YEAR	365	0.7	5	15



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	734	1	0	0	0	0	0	0	0	0	0	735
FEB	655	18	2	0	0	0	0	0	0	0	0	675
MAR	736	4	0	0	0	0	0	0	0	0	0	740
APR	710	0	0	0	0	0	0	0	0	0	0	710
MAY	713	16	0	0	0	0	0	0	0	0	0	729
JUN	708	4	0	0	0	0	0	0	0	0	0	712
JUL	735	3	0	0	0	0	0	0	0	0	0	738
AUG	723	0	0	0	0	0	0	0	0	0	0	723
SEP	712	2	0	0	0	0	0	0	0	0	0	714
OCT	719	2	0	0	0	0	0	0	0	0	0	721
NOV	706	4	0	0	0	0	0	0	0	0	0	710
DEC	687	26	1	0	0	0	0	0	0	0	0	714
YEAR	8538	80	3	0	0	0	0	0	0	0	0	8621

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.1	0	0.0	0.0	0.0	0.4	1.6	2.5	3.8	5.0	15	0.7

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	0	1	1	1	0	0	0	1	3	2	1	1	1	0	0	0	0	0	1
2	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	2	1	1
4	1	1	1	1	1	2	2	3	3	3	2	1	2	5	4	3	1	1	1	2	1	1	2	2	2
5	2	1	1	1	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	1	1	1	2	2	1
6	1	1	1	1	1	2	2	2	2	2	2	2	1	1	0	1	1	1	1	0	0	1	1	2	1
7	2	1	1	0	0	0	0	0	0	2	2	2	1	0	0	0	0	0	0	2	1	1	1	1	1
8	0	0	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	9	7	3	2	1	1	2	2
9	0	0	1	1	2	2	2	1	1	1	2	1	1	1	1	1	0	0	1	1	1	1	1	1	1
10	2	1	1	2	2	2	4	3	1	1	1	1	1	1	2	1	1	0	0	0	0	1	1	1	1
11	2	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
13	4	4	3	7	6	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
14	0	0	0	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	3	3	2	1	1	1	1	0	0	0	0	0	0	1	1	1	1
16	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	0	0	1	1	1	3	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	2	1	1
18	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	1	0	0
19	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
21	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	2	0	1	1	1	0
22	2	2	2	3	1	1	0	0	0	0	0	1	2	3	3	0	2	3	2	1	1	3	2	2	2
23	2	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
24	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
25	2	1	1	2	2	1	2	4	4	3	7	5	6	5	1	1	2	2	3	2	2	1	3	2	3
26	2	2	2	1	2	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
27	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	2	0	1	1	1	1	0
28	1	1	2	3	2	1	2	1	1	1	1	1	1	1	1	1	2	0	1	2	1	1	1	0	1
29	0	0	1	0	1	2	2	1	2	1	1	1	1	1	1	2	2	1	1	0	1	2	2	2	1
30	3	3	3	3	2	3	3	2	1	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1
31	0	1	1	1	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	3	4	1	0
3	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
4	1	1	1	1	1	1	1	1	0	.....	.....	0	0	0	0	.....	0	0	0	0	0	1	1	1	1
5	1	2	2	1	1	1	2	2	2	2	1	1	1	1	2	3	1	3	3	3	3	3	2	2	2
6	1	1	2	2	2	2	2	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	1	2	1	1	1	1	1	1
8	1	1	2	2	2	2	2	2	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
10	1	1	1	1	1	2	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	5	4	2	2
11	1	1	1	6	5	5	2	5	4	3	2	4	8	8	5	10	5	1	1	2	3	1	1	1	4
12	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	1	2	2	2	1	1	2	2	5	10	11	9	12	6	.....	4	3	3	3	5	10	8	5	5
14	11	5	4	4	5	4	5	5	6	5	4	2	2	2	2	2	1	2	2	2	2	2	2	3	3
15	2	2	3	4	3	3	3	3	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	2
16	1	1	0	0	1	1	2	2	2	1	1	1	0	1	0	0	0	1	1	1	2	3	3	2	1
17	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	1	1	2	5	7	6	8	3	5
18	6	5	5	6	6	4	3	5	8	3	6	7	14	3	3	4	4	3	3	2	3	2	2	3	5
19	4	5	6	6	6	6	6	10	5	6	4	.....	4	6	5	5	5	4	5	5	6	5	6	6	6
20	4	4	4	5	5	5	6	6	5	5	5	5	5	5	5	4	4	3	3	3	4	4	4	4	4
21	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0
24	1	1	0	0	0	0	0	1	0	1	0	1	1	0	0	1	1	1	2	2	2	2	2	2	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	.....	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	.....	0	0	0	0	0	1	2	3	5	2	1	0	1
27	0	0	0	0	0	3	.....	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	.....	0	.....	1	1	1	1	2	3	2	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	2	1	1	2	2	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "....." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	4	2
2	4	4	5	5	5	5	6	5	3	1	2	2	2	2	2	2	2	1	1	2	1	1	1	2	3
3	2	2	1	2	3	4	3	***	***	2	2	3	5	3	2	2	3	3	3	6	8	6	4	1	3
4	2	3	5	6	2	3	6	6	8	4	3	3	4	2	2	2	2	2	2	2	3	2	1	1	3
5	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	1	1	1	1	0	1	1	1	1
6	0	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	2	1	1	2	2	1
7	2	1	1	1	1	1	1	1	2	1	1	7	7	3	2	1	1	1	1	1	2	2	2	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	1	2
9	1	1	2	2	2	2	2	2	2	2	1	1	2	2	1	2	2	3	1	3	1	3	2	2	2
10	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	***	***	***	***	***	***	***	***	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1
13	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	3	2	3	1
16	2	2	3	3	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	2	2	2	2	3	2	2	2	1	1	1	2	2	1	1	0	1	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	0
19	1	1	1	1	1	0	1	0	0	1	1	1	1	0	1	1	1	1	1	3	3	3	3	4	2
20	3	3	4	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2
21	2	2	2	1	2	0	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	4	3	3	2	1	1	2
27	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	0	1
28	1	1	1	1	1	1	1	2	1	2	2	2	2	0	2	2	1	4	2	1	2	2	1	1	1
29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "....." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105														HYDRO SS SHERBOURNE/MILTON ST. TORONTO											
														MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	2	2	1	-	0	0	1	-	3	2	1	1	1	1	1	1	1	2	1
2	1	1	1	1	1	1	2	2	2	1	1	2	1	1	2	2	1	1	2	1	1	1	2	2	1
3	2	2	2	2	2	2	3	3	1	1	1	2	-	2	---	2	2	2	2	1	1	1	1	2	2
4	2	1	2	1	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
6	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
7	1	1	2	1	1	2	3	3	2	3	1	3	4	3	5	5	4	3	3	3	3	3	2	3	3
8	2	2	2	2	2	2	2	2	2	2	2	2	2	3	---	1	0	0	0	0	0	0	0	-	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1
11	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	5	3	3	2	1	1
12	3	2	2	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	---	0	0	0	0	0	1	0	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	1
16	1	1	0	0	0	0	1	1	0	0	0	0	0	1	0	---	2	3	3	3	3	3	3	3	1
17	3	4	3	4	4	4	5	6	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4
18	3	3	4	3	3	3	4	3	4	4	3	3	4	4	---	---	0	---	---	---	---	---	---	---	---
19	---	---	---	---	---	0	0	0	---	---	---	---	0	0	0	---	---	---	---	---	---	---	---	---	---
20	DATA INVALID -																								
21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	0	0	0	0	0	-	0	1	---
22	1	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	2	4	4	4	4	5	-	5	2
23	5	5	5	5	4	5	5	5	5	3	2	-	1	1	1	0	1	1	1	1	1	1	1	1	3
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1
26	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	2	1	1	1	1	2	2	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	---	1	1	0	0	0	0	0	0	1	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	0	0	0
MEAN	1	1	1	1	2	2	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	2	1	2	1.5

PERCENTAGE OF DATA VALID - 88.2

PERCENTAGE OF DATA INVALID - 10.7

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	2	2	2	3	3	2	1	1	1	
2	0	1	2	2	2	2	3	3	2	2	2	2	2	2	2	3	2	1	2	2	2	2	1	1	2
3	1	1	1	6	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
4	2	2	3	5	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
7	1	1	2	1	1	1	0	1	1	1	0	0	1	0	---	0	1	0	0	0	0	1	1	2	1
8	1	2	2	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0
10	0	2	1	0	0	0	1	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
11	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0	1	1	1	1	0	0
13	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	1	0	0	0	1	1	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	1	1	1	1	2	4	---	2	1	1	1	0	0	0	1	1	2	1
17	2	2	1	1	1	0	1	1	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	2	0	0	1	1	1
21	1	1	1	1	1	0	0	0	1	1	1	1	0	0	---	1	1	1	1	1	1	0	0	1	1
22	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	2	1	1	2	2	1	2	1	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	5	3	1	0	1	1	1	1	1	1
25	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0	1	0	0	0	0	0
28	0	0	0	0	0	3	0	1	1	1	1	1	1	1	---	2	0	0	1	1	1	1	0	0	1
29	1	2	2	2	0	2	2	1	1	1	1	2	2	2	2	1	1	0	1	1	2	2	1	1	1
30	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	3	3	0	0	0	0	0	0	1
31	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
MEAN	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.7

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
2	1	1	1	1	0	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
4	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1
5	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	2	1	1	1	0	1	1	1
6	2	1	1	1	1	0	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	2	2	1	1	1	1	2	2	2	2	2	2	0	0	0	0	2	0	0	0	0	0	1	1	1
8	2	2	2	2	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1
9	2	1	2	2	2	2	2	3	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10																									
11																									
12	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	2	1	1	2	2	1	2	2	1	1	0	2	1	1	1	1	1	1	1	1	1
14	1	1	1	0	0	0	1	1	0	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	0	1	1	1	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	1	1	2	1	2	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 55.6

PERCENTAGE OF DATA INVALID - 44.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	1	1	1	1	1	1	1	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	1	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	1	1	0	0	0	0	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	2	8	4	1	0	0	0	1	1	1	1	5	11	7	1	1	1	2
15	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 4.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	0	1	0	1	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2	1	2	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 7.6

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	2	0	0	0	0	2	2	3	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0
5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	1	1	1	2	1	1	0	0	0	2	1	0	0	1	1	0	0	0	0	1
7	0	0	0	0	0	0	2	2	1	1	2	3	2	1	3	3	2	2	1	1	1	0	0	0	1
8	0	0	1	1	0	0	0	0	0	0	0	0	2	2	2	2	2	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2
10	2	2	2	2	3	3	5	2	2	1	1	1	2	0	0	1	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
15	1	1	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	0	0	0	0	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	0	0	1	1	1	1	2	2	1	0	0	0	1	1	1	1	1	1	1	0	1	1
28	0	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	4	4	1
31	2	1	0	1	1	1	0	1	1	0	1	0	1	1	0	0	0	0	2	2	0	0	0	0	1
MEAN	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - C NO 31105											HYDRO SS SHERBOURNE/WILTON ST. TORONTO											MONTH - NOV 80			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
3	0	6	0	-	0	1	1	1	1	1	9	1	1	2	2	1	2	1	2	2	1	1	1	1	2
4	1	0	0	1	0	0	0	0	0	1	4	1	1	1	1	1	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	1
6	2	1	1	2	2	2	2	3	8	3	2	2	2	3	2	3	8	6	3	7	2	1	1	1	3
7	1	2	2	1	1	3	5	4	4	10	3	3	2	2	2	2	2	1	1	2	1	1	1	0	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	2	2	1	1	1	2	1
13	5	2	1	1	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
16	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0
17	2	2	3	3	3	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	2	1
19	1	1	1	0	0	0	0	1	1	1	1	2	3	1	1	1	1	2	2	1	1	1	1	2	1
20	2	2	1	1	1	1	1	3	2	1	2	3	1	1	1	1	1	2	1	1	1	1	1	2	1
21	2	2	2	3	3	3	2	2	2	2	3	2	1	1	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	0	0	1	2	1	1	1	1	1
23	1	1	1	3	2	2	3	2	1	2	5	3	2	1	2	2	2	2	1	1	1	1	1	1	2
24	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
25	0	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	2	5	5	3	2	2	1	1	1	1	1	1	1	1	4	3	2	2	2	2	2
27	-	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	2	2	1
29	1	1	2	2	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	2	2	2	1
30	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																	UNITS - 0.01 PARTS/MILLION								
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO																	MONTH - DEC 80								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	1	2	3	2	1	....	1	1	1	1	3	2	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	3	3	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	2	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	2	1	2	1	1	1	2	2	1
5	1	2	1	1	2	1	2	3	2	2	2	1	2	1	1	2	2	1	1	3	3	3	3	2	2
6	-	3	3	2	3	2	3	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
7	1	1	1	2	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	2	....	0	0	0	0	0	-	-	0	0	1
10	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	....	....	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	2	1	0	2	0	0	0	2	2	2	2	2	-	-	-	2	1
12	3	3	3	3	2	3	3	5	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	3
13	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
14	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	3
15	2	2	3	1	2	2	2	2	2	2	3	5	7	5	3	4	3	3	....	3	3	3	3	3	2
16	3	2	2	2	2	2	3	3	3	3	3	3	3	3	....	0	1	1	1	0	0	0	0	1	1
17	0	0	0	0	0	0	0	0	1	1	2	1	3	1	0	0	3	1	0	....	1	0	1	1	1
18	0	0	2	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	1
19	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	1	1	1	1	1	1	0
20	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
22	1	2	2	2	2	3	3	3	3	3	5	5	3	....	2	2	0	....	....	0	0	0	0	1	2
23	2	3	4	5	3	3	3	2	2	3	3	3	2	2	2	2	3	1	....	0	0	0	0	0	0
24	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	2	10	2	2	3	6	0	0	0	0	0	0	0	0	1
26	1	1	0	1	2	2	1	1	1	1	1	1	2	2	2	2	4	3	1	2	2	1	2	2	2
27	2	2	2	2	2	2	3	3	4	3	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2
28	3	2	2	2	3	3	3	3	3	3	3	4	7	4	5	5	5	6	4	4	4	4	4	5	4
29	7	5	5	5	4	4	3	3	2	2	2	2	2	1	1	....	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	-	-
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.9	3	9
FEB	29	1.8	6	14
MAR	30	1.2	3	8
APR	26	1.5	4	6
MAY	31	0.7	2	6
JUN	15	0.9	1	3
JUL	29	0.2	2	11
AUG	31	0.1	1	2
SEP	27	0.3	1	3
OCT	29	0.4	2	5
NOV	30	1.0	3	10
DEC	31	1.4	4	10
YEAR	339	0.9	6	14



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	725	8	0	0	0	0	0	0	0	0	0	733
FEB	643	33	4	0	0	0	0	0	0	0	0	680
MAR	708	10	0	0	0	0	0	0	0	0	0	718
APR	634	1	0	0	0	0	0	0	0	0	0	635
MAY	726	2	0	0	0	0	0	0	0	0	0	728
JUN	400	0	0	0	0	0	0	0	0	0	0	400
JUL	705	2	1	0	0	0	0	0	0	0	0	708
AUG	726	0	0	0	0	0	0	0	0	0	0	726
SEP	661	0	0	0	0	0	0	0	0	0	0	661
OCT	708	0	0	0	0	0	0	0	0	0	0	708
NOV	703	7	0	0	0	0	0	0	0	0	0	710
DEC	712	6	0	0	0	0	0	0	0	0	0	718
YEAR	8051	69	5	0	0	0	0	0	0	0	0	8125

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.5	0	0.0	0.0	0.1	0.7	1.8	2.6	4.0	4.9	14	0.9

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	0	1	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	0	0	***	0	0	0	1	1	1	1	1	1	4	3	2	2	1	1	1	1
4	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	***	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
6	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	1	1	0	0	0	0	1	0
7	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1
11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
14	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
18	1	0	0	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	1	2	4	0
22	1	1	1	1	3	2	2	1	1	1	1	1	2	2	1	1	1	1	1	2	2	1	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1
25	2	2	3	3	3	3	4	4	4	4	3	2	2	2	2	2	2	2	2	2	1	1	1	1	2
26	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
27	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
28	1	1	1	1	1	0	0	1	0	0	0	0	0	0	5	3	3	4	4	4	4	4	4	4	2
29	4	4	4	4	4	4	4	4	4	4	4	4	4	3	2	4	4	4	4	4	4	4	3	4	4
30	4	4	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
31	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	***	2	2	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	2
3	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	2	2	2	2	2	1	1	2	1	1	2	2	2	2	2	2	1	1	1	2
9	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	2	2
11	4	2	2	2	2	2	3	4	3	4	4	4	2	4	3	2	2	4	2	2	2	2	2	2	2
12	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	2	1	3	8	7	5	3	3	3	3
14	3	2	2	2	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
15	2	1	1	1	1	2	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1
16	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	3	3	3	1
17	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	0	1	1	0	1	1	0	1	0	1
18	1	1	1	2	1	3	3	3	3	2	5	5	2	1	2	3	3	5	4	2	4	4	1	1	2
19	2	2	2	2	3	4	3	2	2	2	2	2	2	2	3	5	5	5	4	4	4	5	4	4	3
20	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	3	3	4	4	4	4	3	3	3	3
21	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3
22	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
23	1	0	0	0	1	1	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	2	2	2	1
24	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
26	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
27	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	1	1	2	2	2	2	2	2	2	1	2	2	2	1	1	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	1
7	1	0	1	0	0	1	1	1	1	1	0	0	1	2	1	2	1	1	2	2	1	1	1	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	0	0	0	0	0	0	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	1	2	2	2	1	1	0	1	1	1	1	1	1	1	2	2	1	0	0	0	0	0	1
20	1	2	2	1	0	1	1	1	2	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	1
21	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1
22	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2
23	2	2	2	1	2	1	2	1	1	1	1	2	1	1	1	2	3	2	2	1	1	1	1	1	1
24	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	5	2	1	1	0	0	0	1
27	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	1
4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1
6	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2
8	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	1	1	1	1	1	2	2	1	2	2	2	1	1	1	1	1	1	1	1
10	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
12	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
13	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	0	1	1	1	1	1	0	1	2	2	0	0	0	0	0	0	0	0	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	1	1	2	1
16	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	2	2	1	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
19	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
20	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
21	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	5	4	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	2	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
26	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 94.7

PERCENTAGE OF DATA INVALID - 5.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - MAY 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	1	1	1	1	1	0	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 85.2

PERCENTAGE OF DATA INVALID - 14.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "0" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
7	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	1	1	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
13	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
25	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
26	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	1	1	1	2	3	3	4	4	4	4	2	3	3	3	3	3	4	3	2	2	2	2
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0.6

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "0" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 72.7

PERCENTAGE OF DATA INVALID - 26.5

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33003												LAWRENCE/KENNEDY SCARBOROUGH													
												MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	-	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	0
3	0	0	0	-	0	0	0	0	0	0	1	1	1	-	0	1	1	1	1	2	2	2	2	1	1
4	1	1	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	3	3	0	0	-	0	0	6	0	0	0	2	1	1
7	2	1	1	1	0	0	1	1	1	1	1	1	1	3	1	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0
9	0	-	-	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	-	-	-	-	-	0
12	-	-	-	-	-	-	-	-	0	0	0	0	0	-	0	2	4	5	4	2	2	2	2	2	-
13	2	3	4	3	2	1	1	2	3	2	3	3	2	3	3	3	2	4	4	4	3	3	3	2	3
14	2	2	2	2	2	1	1	3	2	2	2	2	1	1	2	2	1	1	1	0	0	0	0	1	1
15	0	0	1	1	1	2	3	3	3	2	2	2	1	1	1	1	1	1	1	2	2	1	0	1	1
16	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1
17	4	3	2	2	2	2	3	2	2	2	2	1	1	1	1	1	1	0	0	1	0	0	0	1	1
18	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	4	4	5	5	6	4	4	5	2
20	5	4	5	5	5	4	5	5	4	4	4	6	5	5	5	6	5	5	4	4	3	3	4	5	5
21	5	5	4	5	6	5	5	5	5	5	3	3	3	3	6	1	0	0	0	0	0	0	0	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
23	0	0	1	2	1	2	3	1	0	1	5	2	1	2	2	1	1	0	0	0	0	0	0	1	3
24	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	5	3	2	2	3	4	5	5	4	3	2	1	1	1	1	1	2	4	6	8	7	7	4	2	3
27	-	1	2	2	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	1	1	2	2	8	15	7	2	2
29	2	2	3	3	3	2	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
30	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	2	2	0	0	1	1	2	4	5	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1.1

PERCENTAGE OF DATA VALID - 91.0

PERCENTAGE OF DATA INVALID - 5.6

PERCENTAGE OF DATA UNAVAILABLE - 3.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	2	4	4	3	3	2	2	1	1	1	0	0	0	0	0	0	0	0	1	2
2	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	2	3	1	0	0	0
6	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	3	0
8	3	2	4	4	2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1
9	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
11	0	0	0	0	0	0	4	4	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	1	1	1	1	1	4	5	7	1	0	0	1	0	0	6	3	4	4	1	0	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	2	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	0	0	1	3	4	2	2	1	0	1	2	0	4	3	3	0	2	2	1	1	1	2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	1	4	0	6	3	4	10	2	4	0	2	2	3	2
18	2	2	1	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	2	4	5	5	5	3	2	3	5	4	2	1	1	0	0	1	1	4	6	2
23	8	11	16	18	18	13	12	11	12	11	10	7	14	0	0	14	5	3	0	2	2	3	3	4	9
24	4	4	4	5	4	3	3	3	2	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	1	1	0	1	2	1	8	18	6	2	1	1	2	3	2	3	2	2
26	3	3	2	1	2	2	4	5	8	6	7	12	12	9	12	15	7	6	6	6	5	5	5	6	6
27	5	5	5	6	6	6	7	4	2	2	3	2	1	1	1	2	2	1	1	2	2	2	2	2	3
28	2	3	2	2	2	1	2	4	3	5	4	8	18	10	14	12	12	9	9	12	12	11	11	12	8
29	14	13	10	8	8	4	3	3	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	1	2	2	2	2	1	1	2	2	3	2	2	1	1	1	1	1	1	2	1.7

PERCENTAGE OF DATA VALID - 88.7

PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003

LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.9	4	5
FEB	29	1.6	3	8
MAR	31	0.6	2	5
APR	28	1.1	2	5
MAY	26	0.4	1	3
JUN	29	0.8	2	4
JUL	31	0.6	1	5
AUG	31	0.2	1	1
SEP	30	0.6	2	4
OCT	22	0.1	1	2
NOV	27	1.1	5	15
DEC	27	1.7	9	18
YEAR	342	0.8	9	18



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	733	0	0	0	0	0	0	0	733
FEB	669	2	0	0	0	0	0	0	671
MAR	730	0	0	0	0	0	0	0	730
APR	682	0	0	0	0	0	0	0	682
MAY	634	0	0	0	0	0	0	0	634
JUN	695	0	0	0	0	0	0	0	695
JUL	730	0	0	0	0	0	0	0	730
AUG	722	0	0	0	0	0	0	0	722
SEP	706	0	0	0	0	0	0	0	706
OCT	541	0	0	0	0	0	0	0	541
NOV	642	12	1	0	0	0	0	0	655
DEC	603	30	22	5	0	0	0	0	660
YEAR	8087	44	23	5	0	0	0	0	8159

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.9	0	0.0	0.0	0.0	0.6	1.6	2.3	3.8	4.8	18	0.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	0	0	0	1	1	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	2	5	***	6	5	3	3	3	2	2	1	2	4	6	2
14	3	2	2	2	1	1	1	1	1	1	1	1	3	3	1	1	1	1	0	0	0	0	0	0	1
15	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	0	0	1	1	1	2	2	1	1	1
18	1	1	1	1	1	2	2	1	1	1	2	4	5	3	2	3	3	1	1	1	2	2	2	3	2
19	4	3	3	4	4	4	4	5	5	5	5	6	4	4	2	2	2	2	2	2	2	1	1	1	3
20	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO															MONTH - MAR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	1	1	1	1	1	1	2	2	2	2	1	2	3	3	2	1	1	0	0	0	1	1
3	0	0	0	1	1	1	1	1	0	2	4	3	4	3	2	1	1	3	4	5	5	3	1	2	2
4	2	2	2	2	1	1	1	2	3	4	4	3	3	3	2	2	2	1	1	1	1	1	1	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	3	2	1	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	1	0	1	0	1	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	...	2	2	2	2	1	1	1	1	0	1	1	1	1
21	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	3	2	1	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO										MONTH - APR 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1
17	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
18	1	1	1	1	0	1	1	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
19	0	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
20	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
22	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019					MET BRANCH SCARBOROUGH BLUFFS. SCARBORO										MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	2	4	5	2	1	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	0	0	1	1	1	1	1	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	1	1	1	1	1	0
14	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1
24	0	0	0	0	0	1	2	3	1	1	1	1	1	1	2	0	1	1	1	0	0	1	1	1	1
25	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
26	1	1	1	1	1	1	1	2	2	2	2	1	1	1	0	0	1	1	0	0	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
29	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO															MONTH - JUL 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	0	0	0	1	1	0	0	1	1	1	1	1	0	1	1	1	2	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	1	0	1	0	1	1	1	3	1	1	1	2	2	1	3	3	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
12	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	6	11	5	1	1
15	1	0	0	1	1	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
16	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
27	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO															MONTH - AUG 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	1	1	1	1	1	1	1	1	1	.....	.....	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1
9	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	1	1	1	1	1	0	0	0	0	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
16	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.....	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
26	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS. SCARBORO															MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0	0	0	0	0	0	1	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO											MONTH - DEC 80																
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	DATA INVALID														0	0	0	0	0	0	0	0	0	0	0	0	0
19	DATA INVALID														0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	1	1	2	2	2	2	2	2	2	3	3	3	4	3	3	2	3	1	1	0	0	0	0	0	0		
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25	1	1	1	1	1	1	1	1	1	1	2	3	4	5	3	5	2	2	2	2	2	2	2	2	2		
26	2	2	2	2	2	2	2	2	2	2	4	4	4	3	2	2	2	3	3	3	3	2	2	2	2		
27	2	2	2	2	2	2	2	2	2	4	4	4	3	1	1	1	1	1	1	1	2	2	2	2	2		
28	2	2	2	2	3	3	3	2	2	3	3	5	5	5	7	5	5	6	6	6	5	4	4	4	4		
29	6	7	5	5	4	3	3	3	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MEAN	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.5		

PERCENTAGE OF DATA VALID - 92.7

PERCENTAGE OF DATA INVALID - 7.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION				
STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO														
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING							
JAN	31		0.0		1		2							
FEB	29		0.4		3		6							
MAR	31		0.3		2		5							
APR	30		0.1		1		2							
MAY	31		0.1		1		5							
JUN	30		0.2		1		3							
JUL	31		0.5		1		11							
AUG	31		0.7		1		2							
SEP	30		0.1		0		2							
OCT	31		0.0		0		1							
NOV	30		0.2		1		2							
DEC	28		0.5		4		7							
YEAR	363		0.3		4		11							



## MONTHLY GROUP-FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	740	0	0	0	0	0	0	0	0	0	0	740
FEB	690	3	0	0	0	0	0	0	0	0	0	693
MAR	742	0	0	0	0	0	0	0	0	0	0	742
APR	719	0	0	0	0	0	0	0	0	0	0	719
MAY	741	0	0	0	0	0	0	0	0	0	0	741
JUN	715	0	0	0	0	0	0	0	0	0	0	715
JUL	736	1	1	0	0	0	0	0	0	0	0	738
AUG	738	0	0	0	0	0	0	0	0	0	0	738
SEP	715	0	0	0	0	0	0	0	0	0	0	715
OCT	740	0	0	0	0	0	0	0	0	0	0	740
NOV	716	0	0	0	0	0	0	0	0	0	0	716
DEC	685	5	0	0	0	0	0	0	0	0	0	690
YEAR	8677	9	1	0	0	0	0	0	0	0	0	8687

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.9	0	0.0	0.0	0.0	0.0	0.6	0.9	1.7	2.4	11	0.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	2	2	1	0	0	1	1	1
2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1
4	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	1	0	0
5	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0
6	0	1	0	1	0	0	1	0	1	1	1	1	3	4	1	1	2	2	2	1	1	1	1	1	2
7	3	3	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
10	1	1	1	1	2	1	1	2	3	4	4	9	3	2	2	2	2	1	1	1	1	1	2	2	2
11	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	0	0	1	1	1	1
12	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
14	1	1	1	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	0	0	1	1	0	1	1
15	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
18	1	1	1	1	1	1	2	1	2	3	2	1	1	1	1	1	1	1	1	0	0	1	1	1	1
19	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	3	6	1
22	2	2	2	2	4	2	3	2	2	2	3	3	3	3	3	2	2	2	2	1	3	1	1	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	2	1	1	1	2	2	2	4	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2	2
26	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	1	2	1	1	1	2	1
28	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	1	2	3	1
30	2	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	4	5	2
2	5	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1
5	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	0	0	3	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
8	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0
9	0	0	0	0	1	1	2	2	3	3	2	2	2	2	1	1	3	3	1	1	1	1	2	2	2
10	4	3	3	3	2	2	5	4	4	10	7	6	3	5	2	2	2	4	2	3	3	2	1	1	3
11	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2
12	2	1	1	2	2	2	2	2	2	2	2	1	2	3	1	1	1	5	12	6	4	4	4	4	3
13	3	3	3	3	4	4	4	4	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	1	1	2	2	2	4	5	4	3
15	1	1	1	1	1	2	3	3	3	2	2	1	1	2	1	1	1	1	2	2	2	2	2	2	2
16	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
17	2	2	4	4	3	6	5	3	5	13	9	2	2	2	7	8	12	10	10	14	6	3	4	5	6
18	5	5	8	4	7	10	5	4	4	3	3	3	5	4	4	4	3	3	3	3	3	3	3	3	4
19	2	1	2	2	2	2	2	2	2	2	2	2	3	4	4	3	4	3	3	2	3	3	2	2	2
20	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	1	3	2	4	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	6	2	3	5	2	2	2	2	2	2	2	1	1	1	1	1	0	0	1	2	2	2	1	1
28	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	0	0	0	0	0	0
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	0	0	0	0	0	0
MEAN	2	2	2	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 93.2 PERCENTAGE OF DATA INVALID - 6.5 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1
2	3	3	3	2	2	2	2	3	4	2	1	2	2	2	2	3	1	1	1	1	1	2	2	2	2
3	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	2	2	3	2	2	1	2	2	4	3	3	2	3	7	5	3	2	2	2	3
7	3	3	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	3	3	3	2	3	3	3	3	3	3
9	2	1	2	3	3	3	3	3	2	2	2	2	2	2	3	3	3	2	3	2	3	3	3	3	2
10	3	4	3	2	3	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	2	2	1	2	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	0	0	0	0	0	0	1	2	3	2	2	2	2	2	3	4	1	1	1	1	1	1	1
20	1	1	1	1	1	2	2	3	4	3	4	3	3	3	3	3	3	4	3	3	2	2	2	2	2
21	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	4	5	4	4	3	2	2	2	2	2
24	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	-	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1
3	1	1	1	0	0	0	0	1	0	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	0	0	0	0	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1
6	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	1	1	3	4	2	1	2
8	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
10	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	1	1	1
11	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1
12	1	2	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
14	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
15	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	1	0	0	0	1	1	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
17	1	1	0	0	0	0	0	1	2	5	3	5	4	2	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	0	1	1	1	1	0	1	2	2	2	1	1	1	1	1	0	0	1
19	0	0	0	0	0	0	0	1	1	1	2	1	2	2	2	2	2	2	2	1	2	2	2	2	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	-	-	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	4	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
27	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	-	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
4	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	0	1	1	1
5	1	1	1	1	1	0	0	0	1	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	2	1	1	1	1	1	1	0	1
7	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	3	2
11	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	2
12	1	1	1	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
14	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	1	1	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	2	2	7	6	2	2	2	1	1	1	0	1	1	1
17	1	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	2	4	3	2	2	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	1	1	1	0	1
20	0	0	0	0	0	0	0	0	1	2	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1
21	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	4	4	3	2	2	2	2	1	1
22	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2	1	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	1	2	2	3	4	5	4	4	4	5	4	3	3	2	2	2	2	2
24	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	1	0	0	1	2	2	1	1	2	1	3	2	1	4	2	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	2	2	2	2	2	1	1	1	1	2	2	3	3	4	4	3	3	3	3	3	3	3	3	2	3
31	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	0	1	1	1	4	12	***	3	4	2	1	1	1	1	1	0	0	2
3	0	0	1	1	1	0	0	0	0	0	0	1	0	1	1	1	1	2	3	2	1	2	2	1	1
4	1	1	1	0	0	1	0	0	0	0	1	0	1	1	1	1	2	1	1	1	1	1	0	1	1
5	0	0	0	0	0	0	1	0	1	0	0	1	1	***	1	1	2	2	2	1	0	0	0	0	1
6	0	2	1	1	1	1	0	0	1	0	1	0	0	1	1	1	0	0	1	0	0	0	0	0	1
7	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
8	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	1	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	1	1	2	***	***	1	1	1	1	2	2	2	2	1	1	1
13	0	0	0	0	0	0	1	2	2	1	2	2	2	2	3	3	4	3	4	4	3	2	1	1	2
14	1	1	0	0	0	0	1	3	***	***	4	4	3	3	3	3	3	3	3	3	2	2	1	1	2
15	1	1	1	1	1	0	0	0	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	***	0	***	0	***	0	1	1	1	1	1	0	0	0	0
17	0	0	0	0	0	0	0	1	1	1	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	1	2	2	1	1	1
19	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
22	1	0	0	0	0	0	0	1	1	2	3	3	3	2	2	3	2	3	2	3	2	2	1	1	2
23	1	1	1	1	1	1	1	2	3	3	***	2	3	5	3	2	2	4	4	3	2	3	2	2	2
24	2	1	1	1	1	1	1	3	8	5	8	5	5	6	7	5	5	5	4	4	5	4	3	4	4
25	2	2	2	2	1	2	2	3	4	4	4	6	6	4	4	5	6	4	***	2	2	2	2	3	3
26	2	1	2	1	1	1	1	2	***	***	4	4	4	3	4	3	3	3	2	2	3	3	2	2	2
27	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	***	0	0	0	1	1	1	1	1	1	2	2	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1
2	2	2	2	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	1	0	0	1	1	2	6	6	5	4	4	3	2	1	1	1	2
4	0	0	0	0	0	0	0	1	1	1	1	1	1	4	4	3	3	3	3	3	2	2	2	2	2
5	1	1	1	1	1	1	1	2	2	3	4	3	3	3	2	2	2	2	2	2	2	1	2	1	2
6	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1
7	0	0	0	0	0	0	0	0	1	2	1	2	2	3	2	1	2	2	1	2	3	2	2	2	1
8	2	2	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	2	1	1	1	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	0	0	0	1
10	0	0	0	0	0	0	0	0	***	***	***	2	4	3	2	2	2	2	3	5	4	2	1	2	2
11	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
14	0	0	0	0	0	0	0	1	2	1	1	2	2	2	2	2	3	2	3	4	7	4	4	3	2
15	2	2	3	2	2	4	3	1	0	1	2	3	4	4	4	2	2	1	1	1	1	1	1	1	2
16	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	3	5	3	2	2	2	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
18	1	1	1	0	0	0	1	1	1	0	1	2	1	2	3	1	1	1	1	1	1	1	1	1	1
19	1	1	2	1	1	1	2	2	2	2	4	4	2	3	3	3	4	3	3	3	3	2	2	1	2
20	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	4	4	6	5	3	2	3	3	2
21	3	2	2	2	2	2	2	2	2	2	***	1	2	2	2	2	1	1	1	1	1	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	1	2	3	1	1	1	1	1	1	1
23	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	***	0	2	4	4	2	2	2	2	2	1	2	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
27	1	1	1	1	1	1	2	2	3	3	3	3	2	3	3	3	5	4	3	3	3	3	2	2	2
28	2	2	2	2	2	2	2	2	1	1	***	0	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	0	1	0	1	1	2	2	2	3	4	2	1	1	1	1	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	1	----	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	4	2	2	2	2	1	1	1	1	1	1	1	1	1
3	1	1	1	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	1	1	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	2	2	----	1	2	3	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	1	2	2	2	----	1	2	2	2	2	----	1	1	1	1	1	1	2
7	1	1	1	1	2	1	1	3	3	2	4	2	2	4	4	3	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	1	2	2	2	----	1	1	1	1	3	2	2	2	2	2	2	2	2	2
9	----	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1
10	2	1	1	1	----	----	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	1	1	1	1	1	1	----
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	4	4	4	4	4	1
13	1	1	1	1	1	0	0	1	1	1	0	1	1	2	3	2	1	----	1	1	1	2	2	1	1
14	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1
17	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1
19	1	1	0	0	0	0	----	0	0	1	1	1	1	----	0	1	2	3	2	2	1	1	1	1	1
20	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
21	1	1	1	----	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	1	1	2	1	1	2
22	1	2	2	2	2	2	2	1	1	2	----	1	2	1	2	2	2	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	2	3	----	----	3	7	4	2	3	3	2	2	2	2	2
26	1	2	1	1	1	1	1	1	1	1	2	2	3	3	4	3	3	3	4	3	3	2	2	2	2
27	2	2	2	3	3	2	2	2	2	3	3	3	3	4	4	3	3	3	3	2	2	2	2	2	3
28	2	2	2	1	1	1	1	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	2	3	2	2	2	2	2	2	1
31	2	2	1	1	1	1	1	1	1	2	2	3	2	3	2	2	2	2	1	2	2	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 95.3

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																	UNITS - 0.01 PARTS/MILLION								
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK																	MONTH - SEP 80								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	2	2	2	1	2	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2
2	2	4	3	4	3	2	2	1	2	7	2	1	----	----	1	1	1	1	1	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	8	7	3	2	1	1	1	0	2
4	0	0	0	0	0	0	0	0	1	1	2	3	3	----	2	1	1	3	3	2	1	1	2	2	1
5	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1
6	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	0	1	1	----	2	2	3	2	2	1	1	1	1	1	1
9	1	0	0	0	0	0	0	0	1	3	2	2	3	3	2	1	1	1	1	0	0	0	0	0	1
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
14	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	0	0	0	0	0	0	0
16	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	2	1	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
20	1	1	1	0	0	0	0	2	3	3	3	3	2	2	2	2	1	1	1	1	1	0	1	1	1
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
22	1	1	1	1	1	1	0	0	0	0	1	1	1	0	4	2	3	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	1	2	2	----	1	5	2	1	1	2	1	1	1	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	1	1	1	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	1	1	1	1	----	1	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	2	3	6	5	3	3	3	4	5	5	4	4	4	4	2	2	2	2
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.7

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34002		SC CTR 770 DON MILLS RD. NORTH YORK												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	0	0	0	0	0	1	----	----	----	----	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	5	2	1	1	2	2	1	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	1	1	2	2	3	4	4	3	3	1	1	0	0	0	0	0
8	0	0	0	0	1	1	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0
21	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	1	1	1	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	2	----	2	2	1	1	3	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34002		SC CTR 770 DON MILLS RD. NORTH YORK												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1	1	0	0	1	2	2	2	2	2	2	1	1	1	1	1	1	2	2	1
4	2	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	5	3	0	0	0	0	0	0	0	0	0	3	1	1
7	0	0	0	0	0	0	0	0	1	0	0	1	1	4	1	----	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	2	2	1	0	0	1
13	0	0	1	1	1	0	0	1	1	1	2	1	1	1	----	3	4	3	4	2	2	4	1	1	1
14	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	----	----	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	DATA INVALID														DATA INVALID										0
17	DATA INVALID														DATA INVALID										0
18	DATA INVALID														1	2	2	2	2	2	2	2	3	4	----
19	3	3	2	2	2	2	2	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	3	2
20	3	3	2	2	2	3	3	3	3	3	3	5	5	4	----	----	3	3	2	2	2	2	2	3	3
21	3	3	3	3	4	4	4	4	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	3	5	5	4	4	----	2
23	----	4	4	----	2	----	5	4	3	4	7	6	5	5	4	4	4	3	2	3	2	4	7	4	4
24	5	4	4	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2
25	DATA INVALID														DATA INVALID										0
26	DATA INVALID														DATA INVALID										0
27	DATA INVALID														0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	4	4	1	1	1
29	0	0	0	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	2	2	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 79.



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
8	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
9	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11															- DATA INVALID -										
12															- DATA INVALID -										
13															- DATA INVALID -										
14															- DATA INVALID -										
15															- DATA INVALID -										
16	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1	1	1	1	1	0
17	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	3	4	2	2	2	2	2	3	2
18	2	2	2	2	2	2	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	2	5	6	6	7	6	4	4	5	5	4	3	6	6	7	2	2	2	2	2	2	2	2	2	4
24	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	1	1	2	4	3	4	8	7	6	8	8	5	3	2	2	2	2	2	2	3
27	2	1	1	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	1	1	1	1	1	1	1	2	6	4	5	4	4	5	4	3	3	3	3	4	5	3	3
29	6	6	5	5	4	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	3
30	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 78.1

PERCENTAGE OF DATA INVALID - 21.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	2	9
FEB	27	1.7	6	14
MAR	31	1.5	3	9
APR	30	0.8	2	5
MAY	31	1.1	3	7
JUN	30	1.1	4	12
JUL	31	1.2	2	7
AUG	30	1.2	3	7
SEP	30	0.7	2	8
OCT	31	0.1	1	5
NOV	23	0.9	4	7
DEC	24	1.1	4	8
YEAR	349	1.0	6	14



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 45	50 & OVER	TOTAL
JAN	729	2	0	0	0	0	0	0	731
FEB	629	16	4	0	0	0	0	0	649
MAR	732	4	0	0	0	0	0	0	736
APR	704	0	0	0	0	0	0	0	704
MAY	725	2	0	0	0	0	0	0	727
JUN	695	7	1	0	0	0	0	0	703
JUL	728	4	0	0	0	0	0	0	732
AUG	708	1	0	0	0	0	0	0	709
SEP	706	5	0	0	0	0	0	0	711
OCT	734	0	0	0	0	0	0	0	734
NOV	570	3	0	0	0	0	0	0	573
DEC	564	17	0	0	0	0	0	0	581
YEAR	8224	61	5	0	0	0	0	0	8290

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.4	0	0.0	0.0	0.4	0.8	1.9	2.7	3.8	4.7	14	1.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	0
3	2	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	2	1	2	1	2	1	1	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
5	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
6	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
9	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1
10	2	1	1	2	2	3	3	3	3	3	3	3	2	4	3	3	2	1	1	1	1	2	3	2	2
11	3	3	2	1	1	2	2	1	1	1	0	0	0	0	0	5	3	4	1	1	1	0	0	0	1
12	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
13	1	1	1	2	4	6	2	1	1	2	2	1	2	1	1	1	1	1	2	2	2	1	1	1	2
14	1	1	1	1	3	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
17	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
22	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	2	2	4	3	1	1
25	2	2	2	2	2	3	3	3	4	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	2
26	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
27	1	1	0	0	1	1	1	0	0	0	0	1	0	0	0	1	2	2	0	0	0	1	1	1	1
28	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	0	1	1	2	1	2	2	1	1	1	1	1	2	3	1	1
30	3	3	3	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	2
31	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	1	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0
2	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	3	4	1
3	4	3	3	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	2	0
5	2	2	3	3	3	2	3	2	2	1	1	1	1	1	2	2	1	1	2	2	2	3	2	1	2
6	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
7	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
8	1	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
9	1	2	2	2	2	2	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	2	2	3	3	4	3	2	2	2	1	1	1	1	3	1	1	1	1	1	1	1	2
11	3	5	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	5	4	1	1	1	1	1	4
12	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	1	2	1	1	2	3	1	1	1	1	1	1	1	2	3	2	1
14	2	2	2	2	3	3	3	3	3	2	1	0	1	0	1	1	0	0	0	0	0	1	1	1	1
15	1	1	1	2	2	2	3	4	2	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	1
16	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	1	1	1	0	2	3	2	1	1
17	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1
19	2	2	2	2	4	4	4	4	4	3	3	3	4	4	5	5	4	4	3	3	3	4	4	3	3
20	2	1	1	1	1	1	1	1	2	3	3	4	7	6	3	2	2	1	1	1	1	1	1	1	2
21	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2	3	3	3	2	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1
29	1	0	0	0	0	0	1	0	1	1	0	0	0	1	1	1	1	2	3	1	0	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 2.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	2	3	1
2	3	4	4	4	5	4	4	2	2	2	1	1	1	1	1	0	1	1	1	1	0	0	1	1	2
3	1	2	2	2	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2
4	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2
5	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
6	1	0	0	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	4	4	2	1	1
7	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	4	1	9	7	3	2	1	2
8	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1
9	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	2	2	1	1	1	2	2	1	3	4	4	5	3	3	3	3	3	2	2	1	1	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	0	0	0	1	0	1	2	1	2	1	1	1	1	2	1	2	1	2	2	1
16	1	2	3	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	2	1	1	2	3	4	4	4	3	3	1	1	1	1	1	1	1	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	2	2	4	3	2	2	2	2	3	2	2	3	3	3	3	4	3	3	3	3	3	3
20	5	6	7	5	5	6	6	7	7	9	8	7	8	5	4	4	5	4	4	5	4	2	2	2	5
21	2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
23	0	0	0	1	0	1	1	0	0	0	0	0	0	2	2	2	3	4	3	3	3	2	2	1	1
24	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	0	0	0
26	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	1	0	1	1	1	3	2	2	2	3	3	3	2	2	1	2	2	2	2
28	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1
29	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	3	2	2	2	2	1	1	1
2	1	1	1	1	1	1	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
3	2	2	1	1	2	2	2	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1	0	1	1
4	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
6	1	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0
7	0	1	1	1	1	1	1	1	2	2	2	2	3	3	6	16	6	4	3	3	3	3	2	2	3
8	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
9	1	2	2	2	1	2	2	2	1	1	2	2	2	3	3	2	2	1	1	1	1	1	1	1	2
10	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0
12	1	1	1	1	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
17	0	0	0	0	0	0	0	0	0	1	2	3	4	3	2	1	1	1	1	1	2	1	2	1	2
18	1	1	1	1	1	1	0	0	1	1	2	1	1	2	2	3	4	2	2	2	2	2	2	1	2
19	1	1	2	2	2	3	2	2	3	7	4	3	3	3	3	4	4	3	4	3	3	3	3	2	3
20	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2
21	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1
22	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
23	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1
26	0	0	0	1	0	0	0	0	0	0	1	1	1	1	3	3	2	2	2	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK															MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	2	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1
8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1
9	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	1	1	1	0
10	1	1	1	1	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	1
11	2	2	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
16	0	0	0	0	0	0	1	0	0	0	1	1	4	6	5	4	2	1	2	2	2	2	2	2	2
17	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1	0	0	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	2	4	9	4	3	3	2	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	1	1	1	1	2	2	3	7	3	3	3	4	3	2	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	2	2	2	2	2	2	2	2	1	1	0	1	0	1	0	0	0	0	0	0	1	1	1	1
27	1	0	1	2	1	1	1	1	1	0	0	0	0	0	1	0	1	1	1	2	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	2	2	1	1
29	1	1	2	2	1	2	2	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	1	1	10	38	25	19	3	2	2	2	2	2	1	1	1	1	0	5	1
31	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 2.8 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JUN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	1	1	0	1	1	0	1	0	1	1
6	0	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
12	1	1	0	0	0	0	1	3	3	4	3	3	2	2	2	4	1	1	1	1	4	2	1	2	2
13	1	1	1	1	1	2	2	3	4	3	2	3	4	2	2	2	4	4	2	3	3	3	2	2	2
14	2	3	3	2	2	3	3	5	5	5	3	4	3	2	2	2	2	2	2	2	1	1	1	1	2
15	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	1	0	2	1	0	0	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1
21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	3	2	1	1	1
23	1	1	1	2	2	3	3	2	2	2	1	2	2	3	3	3	2	3	3	3	3	2	2	2	2
24	1	2	2	2	2	3	3	3	13	11	5	6	6	7	9	6	4	4	4	4	5	4	3	5	5
25	3	3	2	2	2	2	2	3	3	3	3	5	10	5	5	3	5	4	4	4	2	1	1	2	3
26	2	2	3	3	2	2	2	3	3	3	2	2	2	2	2	2	2	1	1	1	2	1	1	1	2
27	1	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	1	1
29	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	2	2	0	1
MEAN	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	2	1
2	2	2	1	1	1	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1
3	0	0	0	0	1	1	1	1	1	1	0	0	1	3	4	5	7	5	1	0	0	0	0	0	1
4	0	0	0	1	1	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	2	1	1
5	1	1	1	2	1	1	1	1	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0
7	0	0	0	0	0	0	0	0	1	1	1	1	4	7	7	7	7	7	7	7	7	7	7	7	7
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	0	1	1	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	1	4	3	2	6	3	2	1	3	4	2	1	1	1
11	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	2	0	0	5	6	2	0	0	2	2	4	5	3	2	2	2	2
15	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1
16	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
17	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	3	3	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	1	1	1	1	0	0	1	3	2	1	1	1	0	1	1	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 92.5

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1
2	1	1	1	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	1
3	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	1	4	4	5	3	2	2	4	4	2	1	1	1	1	1	1	2
6	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
7	1	0	0	0	1	2	2	3	2	1	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1
8	1	0	0	1	1	1	2	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1	0	0	1
9	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0
10	1	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	2	1	0	0	1	0	***	1	1	1	1	1	***	1	1	1	1	1	0	2	1
12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	4	5	***	2	2	2	1	1	1	1
14	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	1
16	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0
17	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
18	1	1	1	1	1	1	1	2	2	2	2	3	2	2	3	3	3	2	1	1	1	1	1	1	2
19	1	1	1	1	0	0	***	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
20	1	1	1	1	1	1	2	2	2	2	2	1	***	***	1	1	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	1	1	2	2	2	2	2	***	1	1	1	1	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1
25	0	0	0	0	0	2	1	2	1	***	0	0	1	2	2	5	0	2	2	1	1	2	2	2	1
26	2	0	1	0	0	0	1	1	1	1	2	2	1	1	2	3	2	2	2	1	1	1	1	1	1
27	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	1	2	1	1	3	1	1	1
28	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
29	0	0	0	0	0	1	1	1	***	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	1	1	1	1	1	1	1	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.8

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	5	5	5	4	2	2	1	1	1
4	1	1	1	0	1	1	1	2	2	2	3	2	2	2	2	2	2	2	3	-	3	2	2	1	2
5	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1
6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	4	14	7	4	3	2	1	1	1	2
9	1	1	1	1	2	3	3	3	4	3	3	3	3	1	1	1	0	0	0	0	0	0	0	0	1
10	1	1	0	0	0	0	0	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
12	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0
13	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	5	2	1	0	1
16	1	2	3	2	1	1	2	2	1	1	1	1	2	1	1	1	2	3	1	3	1	1	1	1	2
17	0	0	0	1	0	1	1	1	0	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1
19	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	1	1	4	4	3	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	2	6	6	2	1	2	2	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	0
25	1	0	0	0	0	0	0	1	1	1	1	2	4	2	4	8	5	2	1	1	2	2	1	1	2
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
27	0	0	0	0	***	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
28	0	0	1	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	7	2	2	3	2	2	2	2	2
30	1	1	2	2	1	2	4	4	3	3	4	4	6	4	4	4	4	3	3	3	4	4	2	4	3
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0.7

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK											MONTH - OCT 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	2	2	2	3	3	3	3	6	4	3	2	2	1	1	1	1	0	0	1		
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	1	0	0	0	0
3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
4	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	1	1	1	1	1	1	0	0	0	0	0	2	6	4	2	3	2	1	0	1	1	1
8	1	2	1	1	2	2	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0
10	0	0	0	0	1	1	2	2	2	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	DATA INVALID														DATA INVALID										
14	DATA INVALID														DATA INVALID										
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
17	0	0	0	0	0	0	0	1	1	1	3	3	2	2	2	2	2	1	1	1	1	1	2	1	1
18	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	-	1	1	1	1	2	2	2	2	2	2	2	2	1
24	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
26	1	1	1	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
27	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	0
28	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0
30	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 9.7

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0
2	0	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3
3	3	3	3	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5	5	4	3	3	3	3	4
4	4	3	2	1	1	2	3	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	1	1	1	1	0	1	1	2	2	1	1	1	2	4	3	3	2	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0
9	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0	0	0	0	0	0	8	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
11	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	4	3	2	1	2	1	1
13	2	3	3	3	3	1	2	2	3	5	4	2	2	2	3	3	4	3	2	2	2	2	1	1	3
14	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1
15	0	0	1	2	3	3	2	2	1	0	0	0	0	0	0	0	1	1	1	3	2	1	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	0	0
17	3	5	4	5	5	6	4	4	4	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0	2
18	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0
19	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0
20	1	1	2	2	1	1	1	1	0	1	1	2	2	1	1	1	2	3	3	5	3	2	3	3	2
21	4	3	4	4	4	4	5	6	4	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1
23	1	1	2	2	1	1	2	3	5	7	6	9	9	7	6	6	5	5	5	3	3	5	4	3	4
24	3	3	2	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
26	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1
27	-	0	1	1	2	2	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
29	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	2	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK												MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1	1
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	2	1	2	1	1	1	2	2	2	2	2	1	1	1	1	1	2	3	3	4	4	3	4
6	4	3	4	5	5	4	3	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1
8	3	2	3	3	3	3	3	3	3	3	4	2	3	5	2	2	2	2	2	2	1	1	2	1
9	2	2	4	1	1	1	1	2	5	2	1	1	1	2	2	2	2	1	1	1	1	1	1	2
10	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	1	1	1
11	1	0	0	1	2	1	3	5	5	2	0	0	0	0	0	0	1	1	1	1	1	1	1	1
12	1	1	1	1	1	2	2	3	4	4	4	2	2	2	2	2	2	2	2	1	1	0	0	2
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	1	1	1	1	1	2	4	4	4	3	3	2	2	2	2	2
16	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	2	3	11	4	3	5	4	4	6	12	12	4	4
18	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	1	0	1
20	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
21	1	0	0	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
22	1	1	1	1	2	2	2	2	3	3	3	3	2	3	2	1	1	1	1	2	2	2	5	2
23	9	7	7	8	11	11	11	11	8	7	4	4	4	4	3	2	2	2	1	1	1	1	1	5
24	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	1	2	0	0
26	2	1	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	1
27	2	2	2	2	2	3	4	5	4	2	2	2	1	0	0	0	1	0	0	1	1	2	2	2
28	2	3	3	4	4	3	4	4	6	5	6	7	5	4	4	4	4	4	5	5	5	5	5	4
29	5	5	5	5	5	3	2	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	2
30	1	1	1	2	1	2	2	2	1	1	1	1	1	0	0	0	1	1	1	1	1	2	2	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1
MEAN	2	1	1	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	2	2	1.5

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 1.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.8	2	6
FEB	29	1.0	3	7
MAR	31	1.1	5	11
APR	30	0.8	3	16
MAY	31	1.0	5	38
JUN	30	1.0	5	13
JUL	28	0.5	2	7
AUG	31	0.8	2	7
SEP	30	0.7	3	14
OCT	28	0.5	2	6
NOV	30	1.0	4	9
DEC	31	1.5	5	12
YEAR	360	0.9	5	38



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007

BATHURST/WILSON, NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	727	1	0	0	0	0	0	0	726
FEB	672	2	0	0	0	0	0	0	674
MAR	721	12	1	0	0	0	0	0	734
APR	703	3	0	1	0	0	0	0	707
MAY	713	4	0	1	1	1	0	0	720
JUN	698	6	2	0	0	0	0	0	706
JUL	684	4	0	0	0	0	0	0	688
AUG	724	1	0	0	0	0	0	0	725
SEP	706	6	1	0	0	0	0	0	713
OCT	663	2	0	0	0	0	0	0	665
NOV	694	10	0	0	0	0	0	0	704
DEC	697	10	7	0	0	0	0	0	714
YEAR	8402	61	11	2	1	1	0	0	8478

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.5	0	0.0	0.0	0.2	0.7	1.8	2.7	3.9	4.9	38	0.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003

ELMCREST ROAD, ETOBICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	0	0	1	0	1	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	2	5	22	5	2	1	1	2	5	2	1	1	5	2	2
7	2	3	2	2	3	3	1	1	0	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	1
8	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	3	10	2	1	2	2	1	1	0	0	0	1	1	1	1
11	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2	2	3	4	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	1	2	4	3	1	1	0	0	0	0	1	1	1	1
16	1	0	0	1	1	0	0	1	2	3	3	4	5	3	3	1	3	3	4	4	4	4	3	1	2
17	1	1	0	1	1	1	1	1	2	2	2	1	1	1	1	2	2	1	1	1	1	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
23	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
26	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0
28	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	2	2	1	0	0	0	0	0	1	0
30	1	1	2	2	2	2	2	1	1	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*.. INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1	0	0	2	0
3	1	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
5	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	1	1	1	1	1	0
6	1	0	0	0	1	1	1	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0	0	1	1	0	0	1	1	2	2	1	1	1	0	0	1	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	3	4	3	2	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1
11	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	0	1	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	0	1	1	1	2	2	2	1	0	0	1	1	1	1	2	2	3	2
14	2	2	2	2	3	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
16	1	1	0	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
17	1	1	0	0	0	1	0	0	0	1	1	2	2	2	2	1	1	0	0	1	1	1	1	1	1
18	2	1	1	1	2	1	2	1	1	2	2	2	3	2	2	2	2	2	1	1	2	2	2	2	2
19	2	2	2	3	4	4	4	4	3	3	3	3	3	3	3	3	2	3	2	2	2	2	4	5	3
20	5	4	4	3	3	3	2	3	4	3	2	2	3	3	3	1	1	1	1	1	0	0	0	1	2
21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	3	1	2	1	1	1	1	1	2	1	2	3	3	4	3	3	2	1
24	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	2	0	0	0	0	0
MEAN	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0
2	2	2	2	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	0
4	2	1	2	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	1	2	2	1
5	2	2	3	2	2	3	2	2	2	2	3	3	3	2	1	1	1	1	0	0	0	0	1	1	2
6	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
7	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1
8	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1	0	0	1
9	0	1	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	1	2	2
10	1	2	3	3	3	1	1	1	2	2	3	3	3	3	3	2	2	2	1	1	1	0	0	0	2
11	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	0	0	1	1	1	1	0	0	1	0
13	1	0	0	1	0	0	0	0	3	2	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	1	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	1	1	1	1	1	2	2	1	1	1	2	3	3	1	1	1	1	1	1	1	0	0	1
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	0	0	1	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	2	1	0	0	0	0
24	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	0	0	0	0	0	0	0	0	1	2	0	1	1	1	1	1	1	1	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
31	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
MEAN	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 91.1

PERCENTAGE OF DATA INVALID - 8.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	7	1	3	1	1	1	0	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	1	0
3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	1	3	3	4	5	4	3	3	4	2	2	0	1	1	1	0	2
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	1	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	2	1	2	1	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1
21	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	3	2	2	2	1	0	0	0	1
22	0	1	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 90.1

PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - MAY 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0
17	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	0
18	1	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	0	0	0	1	1	0	0
19	0	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0	1	1	0	0	1
20	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	3	5	5	2	1	1	0	0	2
22	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
23	0	0	1	0	0	0	0	0	1	1	1	1	3	3	5	4	2	2	2	2	1	1	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	4	2	1	4	2	1	1	1	1	0	0	0	1	0	1
29	0	0	0	0	0	0	0	1	0	1	1	1	4	3	3	1	0	0	1	1	0	0	0	0	0
30	0	1	0	0	0	0	0	1	2	3	3	4	1	2	3	3	1	2	1	1	1	1	1	0	1
31	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 93.8

PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION																			
STATION - C NO 35003										ELMCREST ROAD, ETOBICOKE																			
MONTH - JUN - 80																													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0				
3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	13	4	13	1	1	0	0	0	0	0	2				
6	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	0	1	2	2	2	3	3	4	4	3	1	1	2	2	3	3	3	1	2				
13	1	0	0	1	1	1	1	3	2	1	1	1	2	3	3	3	3	3	3	3	3	2	2	1	2				
14	1	1	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
17	0	0	0	0	0	0	0	0	0	1	3	2	0	1	1	2	1	2	2	3	2	1	1	1	1				
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	1	1				
19	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	0	1	0	1				
20	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	1	2	2	4	3	3	2	3	3	4	2	1	2	1	1	1				
23	1	0	0	0	0	1	1	1	0	1	1	2	3	4	3	2	2	3	3	3	3	3	2	1	2				
24	1	1	0	0	0	0	1	1	5	5	5	5	8	10	5	5	5	4	4	5	3	2	2	1	3				
25	1	0	0	0	0	0	0	1	1	2	4	5	6	5	5	6	5	3	0	2	1	1	0	0	2				
26	2	1	1	1	1	1	1	2	2	1	2	0	0	1	1	2	2	2	2	1	1	0	0	0	1				
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0.7				
PERCENTAGE OF DATA VALID - 92.4										PERCENTAGE OF DATA INVALID - 7.4										PERCENTAGE OF DATA UNAVAILABLE - 0.3									

PERCENTAGE OF DATA VALID - 92.4

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	0	0	1	1	
2	1	1	0	0	0	0	0	0																	
3																	2	4	3	1	0	0	0	0	
4	0	0	0	0	0	0	0	1	1			2	3	5	13	7	3	3	3	2	2	1	1	1	2
5	0	0	1	0	0	1	1	1	2	2	3	3	2	2	2	1	1	1	2	1	1	1	1	1	1
6	0	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0			0	0	1	1	0	0	0	0	1	1	1	1	1	0
8	1	1	0	0	1	1	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0		2	3	2	3	3	2	3	3	2	1	1	1	0	1
11	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	1	0		1	0	1	1	1	3	5	6	2	1	1	0	0	1
15	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0		0	1	0	1	1	1	1	2	2	1	1	0	0	0
17	0	0	0	0	0	0	0	0	0	1	0	0	0		0	0	0	0	0	1	0	0	0	0	0
18											4	7	2	9					1	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	1	1	2	1	1	2	2	2	2	1	1	1	1	0	0	1
20	0	0							0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	0	0	0	0	0	0	0	0	0
22	0	0										0	0	1	1	1	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	1	0	0	0	0	0		2	3	2	1	2	2	2	1	1	1	0	1
25	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	1	0	0	0	1	0	0	1
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	0	0	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	1	1	1	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
29	1	1	1	1	1	0	0	1	1	1	2	3	4	4	3	2	3	2	1	1	1	1	0	0	1
30	0	1	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	0	0	1
31	0	0	0	0	0	0	0	1	3	5	2	1	1	1	10	4	4	4	2	1	2	2	1	1	2
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	0	0	0	0.7



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	1	0	0	0	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	0	0	1	1	1	1	3	2	2	2	1	1	1	2	1	1	1	1	1	1
3	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	2	2	1	1	1	1	0	0	0	1
4	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
5	0	1	0	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
16	0	0	0	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0
20	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
21	1	1	1	5	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
22	0	0	0	0	0	0	0	0	0	0	0	4	2	1	1	1	1	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	2	2	2	1	2	2	2	1	1	0	1	0	1
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
27	1	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	1	2	2	1	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 94.2

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - SEP 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	3	3	0	2	1	1	3	3	3	3	3	1	1	1	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	6	2	2	1	5	21	7	2	0	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	5	3	0	0	0	0	0	0	0	1
16	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	1	1
17	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	7	3	1	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0
29	0	1	0	0	0	0	0	0	0	1	1	1	1	4	4	6	4	2	1	0	0	1	0	0	1
30	0	0	0	0	0	0	0	0	2	2	2	3	3	3	3	3	4	2	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	0	3	0	0	0	0	0

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
3	0	0	1	0	1	1	1	2	2	2	2	2	3	4	3	2	2	2	2	2	2	3	3	4	2
4	4	2	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	0	0
8	0	0	1	1	0	0	1	0	0	0	0	0	0	1	1	1	2	1	1	0	0	0	0	0	0
9	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0
10	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	2	2	2	1	1	1	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	2	2	2	3	4	4	3	3	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	1	1	2	3	4	5	5	4	5	4	4	4	3	3	3	2	2	1	3	3
24	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	1	1
25	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	1	0	1	1	1	1	1
2	1	1	1	0	0	0	1	1	1	1	2	1	1	1	2	1	1	1	1	1	0	0	1	1	1
3	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	1	1
4	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	1	-	0	1	0
5	0	0	1	1	0	1	1	1	1	1	2	1	1	1	1	4	3	3	3	2	2	1	1	1	2
6	1	1	1	0	1	0	1	1	1	2	2	2	1	1	3	2	2	2	1	1	1	1	1	2	1
7	2	2	3	3	3	4	3	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	1
9	1	1	1	2	1	1	0	0	0	0	0	0	1	1	2	9	5	4	2	1	-	-	0	0	1
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
11	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	-	-	-	0	0
12	0	0	0	1	0	0	0	0	0	1	2	3	2	2	1	4	2	1	1	1	1	0	0	0	1
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	2	2	2	1	1	1	1
16	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1	0	0
17	0	0	0	0	0	0	1	1	0	0	1	0	1	4	6	4	2	0	1	2	1	1	1	2	1
18	2	1	2	2	2	1	1	1	0	0	1	0	1	1	1	1	0	0	0	0	0	-	-	-	1
19	0	0	0	0	0	0	1	1	0	0	0	1	-	-	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
22	0	1	0	0	1	1	1	0	1	2	1	1	3	2	3	3	2	2	2	2	1	1	2	3	1
23	4	5	5	6	6	5	5	4	4	3	4	3	3	3	3	3	2	2	2	2	1	3	2	2	4
24	3	3	3	3	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0
26	1	0	1	1	1	1	2	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1
27	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	1	1	3	4	4	4	4	4	4	3	3	3	4	4	4	4	4	3
29	4	5	4	4	3	3	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2
30	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1
31	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	1	0	1	0	-	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN													31	0.5	2	22
FEB													29	0.7	3	5
MAR													28	0.6	2	11
APR													27	0.3	2	7
MAY													29	0.4	2	5
JUN													28	0.7	3	13
JUL													27	0.7	2	13
AUG													30	0.4	1	5
SEP													30	0.4	2	21
OCT													29	0.4	1	4
NOV													28	0.7	3	5
DEC													31	0.9	4	9
YEAR													347	0.6	4	22



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003

ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	731	1	0	0	1	0	0	0	733
FEB	671	0	0	0	0	0	0	0	671
MAR	677	0	1	0	0	0	0	0	678
APR	648	1	0	0	0	0	0	0	649
MAY	698	0	0	0	0	0	0	0	698
JUN	659	4	2	0	0	0	0	0	665
JUL	668	5	1	0	0	0	0	0	674
AUG	701	0	0	0	0	0	0	0	701
SEP	681	7	0	0	1	0	0	0	689
OCT	714	0	0	0	0	0	0	0	714
NOV	661	0	0	0	0	0	0	0	661
DEC	716	4	0	0	0	0	0	0	720
YEAR	8225	22	4	0	2	0	0	0	8253

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.0	0	0.0	0.0	0.0	0.3	1.1	1.9	2.9	3.8	22	0.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35005

QUEENSWAY HOSPITAL ETOBICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	0	1
3	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	2	2	***	2	4	3	2	2	2	3	2	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	6	4	2	2	3	3	2
7	4	6	2	2	2	3	3	3	3	3	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2
8	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
10	0	0	0	0	0	0	0	0	0	1	4	2	2	2	2	3	2	2	1	1	1	1	2	1	1
11	2	2	1	1	2	1	2	2	1	2	2	2	2	2	2	3	3	3	2	1	1	1	1	1	2
12	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
13	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	2	4	3	2	2	3	2
14	2	3	5	5	3	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	1	1	0	1
16	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	0
17	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
20	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	0	0	1	1	1	0	1
22	0	1	1	1	1	1	1	1	2	2	3	***	2	3	2	3	2	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1	2	2	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
28	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1
29	0	0	0	0	1	0	0	0	0	1	1	1	2	2	1	2	1	1	1	1	1	1	0	0	1
30	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE													MONTH - FEB 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	0
3	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	0	0	1	1	1	0	1
10	0	0	0	0	1	2	3	3	4	3	2	2	2	1	1	2	2	2	1	1	1	1	1	1	2
11	1	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
12	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	2	1	2	3	3	3	2	2	1	1	1	2	2	2	3	3	2
14	2	2	2	2	3	3	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	1	0	0	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	2	2	1	1	3	4	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	1	2	3	3	4	4	3	3	3	3	3	3	3	4	5	4	4	3	3	3
24	4	3	3	2	2	2	2	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0	0	1	1	0	0	0	0	0	0	0
28	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0
29	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	2	2	4	3	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 88.6

PERCENTAGE OF DATA INVALID - 11.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
4	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	1	2	
5	2	2	2	2	2	1	1	1	1	2	2	2	3	2	2	2	2	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	
7	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	1	3	1	1	1	1
8	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	
10	1	1	2	2	2	2	2	3	3	4	4	4	3	3	3	2	2	2	2	1	1	0	0	2	
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	1	1	2	2	1	1	1	0	0	0	2	1	2	2	0	0	0	
13	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
16	2	2	1	1	2	1	1	1	1	1	1	1	0	0	0	1	2	1	1	1	1	1	1	1	
17	0	0	0	1	0	0	0	0	1	3	4	2	1	1	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
19	0	0	0	0	0	0	1	1	2	2	2	1	1	1	2	3	5	4	2	1	1	1	1	1	
20	1	1	1	1	2	2	2	4	5	5	5	5	3	3	3	4	4	3	2	2	2	1	1	3	
21	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	1	1	1	1	1	1	1	1	2	2	3	4	3	2	2	2	2	2	2	2	2	1	1	2	
23	1	1	1	1	1	1	1	1	1	1	2	3	5	4	3	4	4	3	2	2	1	1	1	2	
24	1	1	1	1	2	2	2	1	1	1	2	3	3	2	1	1	1	2	2	1	0	0	0	1	
25	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	1	1	1	0	1	
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	4	3	1	1	0	0	1	
27	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	
28	0	1	1	1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	
29	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	
30	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35005		QUEENSWAY HOSPITAL ETOBICOKE												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	2	2	1	1	1	1	1	1	2	2	2	1	1	1	0	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	5	2	1	1	1	1	1	2
3	2	2	1	1	1	1	1	2	2	1	1	1	1	1	4	4	2	2	1	1	1	1	1	1	1
4	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	1	1	1	1	2	9	5	4	4	2	2	1	1	1	1	1	2
7	1	1	1	1	1	0	1	1	2	2	1	1	2	1	3	1	1	0	0	0	0	0	0	0	1
8	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	6	3	1	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	1	1	2	2	2	6	3	1	0	0	0	0	0	0	0	1
10	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	1	1	0	0	0	0	0	1
13	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	1	0
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	1	2	4	3	3	2	1	1	1	1	1	1	1	1	2	2	1
18	1	1	1	1	1	1	1	1	1	1	1	2	3	5	6	2	2	1	1	1	1	1	1	1	2
19	1	1	1	1	1	0	1	1	2	3	4	2	3	3	3	3	4	2	2	2	2	2	2	2	2
20	2	2	2	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
22	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1	1	1
23	1	0	0	0	1	1	1	2	2	2	1	1	1	1	1	2	1	1	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	1
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 97.1      PERCENTAGE OF DATA INVALID - 2.9      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35005		QUEENSWAY HOSPITAL ETOBICOKE												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
2	0	1	1	1	1	1	1	1	2	2	5	7	4	3	3	2	1	1	1	1	1	0	0	0	2
3	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	0	.....	0	0	1	1	1	1	1	2	2	1	1	1	0	1
7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
11	1	1	1	1	1	1	1	1	3	3	2	2	2	2	1	1	1	1	1	1	1	1	0	0	1
12	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	6	3	3	3	2	1	2	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	0	2	2	2	2	1	2	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	0	1
20	0	0	0	0	0	0	0	1	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	.....	1	2	2	2	5	11	7	3	2	2	2	2	2	2
22	1	1	1	1	1	1	1	1	2	2	1	2	1	1	2	2	1	1	2	2	1	1	1	1	1
23	0	0	0	0	0	0	0	1	2	3	2	2	3	3	1	3	3	2	2	2	2	1	1	0	1
24	0	0	0	0	0	0	0	0	0	0	1	2	3	6	6	6	3	1	1	1	1	1	1	1	1
25	0	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	2	2	1	1	1	0	0	1
27	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1	1	1	3	2	2	2	1	1	1	1
28	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	2	2
30	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	2	2
31	1	2	2	2	2	3	3	3	2	2	2	3	4	2	2	2	2	2	1	1	1	1	1	1	4
MEAN	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.9      PERCENTAGE OF DATA INVALID - 1.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION																				
STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE													MONTH - JUN 80																				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN								
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	0	0	0	1								
2	0	1	1	1	1	0	0	0	0	1	3	3	3	3	4	3	2	2	2	1	1	1	1	1	1								
3	1	1	1	1	1	1	0	0	0	0	---	1	1	1	1	1	1	1	3	3	2	1	1	1	1								
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1								
5	1	1	1	1	1	0	0	1	1	4	2	1	2	1	1	2	2	2	2	1	1	1	1	0	1								
6	1	1	1	1	1	1	1	1	1	1	0	0	2	1	1	2	2	2	2	1	0	0	0	0	1								
7	1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	1	1	1	0	0	0	1	1	0	1								
8	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1								
9	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
11	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0								
12	0	0	0	0	0	0	0	2	1	2	3	2	2	1	1	2	2	2	2	2	2	3	2	1	1								
13	1	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	5	4	3	3	2	2	2	1	2								
14	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2								
15	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0								
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
17	0	0	0	0	0	0	0	0	0	0	---	4	2	2	2	2	2	2	2	3	2	2	1	1	1								
18	0	1	1	0	0	0	1	1	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0								
19	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	0	0	0								
20	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	---	---	0								
21	DATA INVALID													DATA INVALID																			
22	DATA INVALID													DATA INVALID																			
23	DATA INVALID													DATA INVALID																			
24	DATA INVALID													DATA INVALID																			
25	DATA INVALID													DATA INVALID																			
26	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	0	2								
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	---	---	0								
MEAN	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.7								
PERCENTAGE OF DATA VALID - 84.3													PERCENTAGE OF DATA INVALID - 15.7											PERCENTAGE OF DATA UNAVAILABLE - 0.0									

PERCENTAGE OF DATA VALID - 84.3

PERCENTAGE OF DATA INVALID - 15.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE														MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1															- DATA INVALID -										
2															- DATA INVALID -										
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	3	3	1	1	1	1	1	1	1	.....
4	0	0	0	0	0	1	0	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	1	1	1
5	1	1	1	1	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	1	0	0	2	2	1	2	1	3	3	2	1	2	1	2	1
8	1	1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	0	0	0	0	
10	0	0	0	0	0	0	0	1	2	2	2	2	3	2	2	2	2	2	2	3	3	2	1	2	
11	1	1	1	1	1	1	1	0	0	0	.....	0	1	1	1	1	1	1	1	1	1	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	
14	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	4	9	4	2	2	2	
15	1	1	1	1	1	1	1	1	1	0	0	1	4	4	.....	.....	3	2	2	.....	.....	1	1	1	
16	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
17	1	1	1	1	.....	.....	1	1	1	.....	.....	1	1	1	1	1	1	2	.....	.....	1	1	1	.....	
18	1	1	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	1	1	1	0	0	1	1	
19	1	1	1	0	0	0	0	0	1	1	3	3	2	3	4	3	2	2	2	2	2	2	2	2	
20	1	1	1	1	0	0	0	0	0	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1	
21	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	2	2	
22	1	1	1	1	1	1	1	1	0	0	0	1	0	1	2	2	2	2	1	1	1	1	1	1	
23	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	2	2	2	1	1	1	1	1	
25	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	
26	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	
27	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	
28	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	1	1	1	
29	0	1	0	0	0	0	1	1	1	1	.....	4	4	3	3	3	2	2	2	2	1	1	1	1	
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
31	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
MEAN	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35005												QUEENSWAY HOSPITAL ETOBICOKE													
												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	2	2	4	2	2	2	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	1	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	1	1	1	2
8	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2	2	2	2	1	1	1	1	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	3	2	2	1	3
28	1	1	1	1	0	0	0	0	0	0	0	1	2	3	5	2	0	0	0	0	0	1	0	1	1
29	0	0	0	0	0	0	0	0	0	1	2	3	2	2	2	2	2	2	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1
31	1	1	1	1	1	1	1	1	1	2	2	3	3	4	4	3	3	3	3	3	2	2	2	2	2
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 75.8

PERCENTAGE OF DATA INVALID - 24.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35005						QUEENSWAY HOSPITAL						ETOB:COKE						MONTH - SEP 80							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2
2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	0	0	1	1
4	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2
5	1	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	3	2	1	1	1	1	1
8	0	0	0	0	0	0	0	1	2	8	3	3	3	2	6	5	1	3	1	1	1	1	1	1	2
9	1	1	0	1	1	1	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
18	0	1	1	1	1	1	1	1	1	1	0	1	0	0	9	4	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	DATA INVALID																								
21	DATA INVALID																								
22	DATA INVALID																								
23	DATA INVALID																								
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	3	7	2	1	0	0	0	0	0	1
30	0	0	0	0	0	1	1	1	1	2	3	2	2	2	2	2	4	6	5	4	2	2	2	2	2
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	1	0.8

PERCENTAGE OF DATA VALID - 85.4

PERCENTAGE OF DATA INVALID - 14.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	2	1	1	1	0	0	0	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	3	4	4	3	1	0	0	0	1	1	1	1	1	1
5	2	1	1	1	2	2	2	2	3	2	2	0	0	1	2	1	1	0	1	3	3	2	2	4	2
6	3	2	1	1	1	1	2	2	2	3	2	1	0	0	0	1	1	1	1	0	0	1	2	2	1
7	2	2	1	2	3	1	1	2	1	1	1	1	1	2	2	1	1	0	1	1	1	1	2	2	1
8	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	2	2	2	2	2	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	0	0	1	0	1	1	1	1	0	1	1	1	1	1	1	0	0	1	0	0	1	1	0.6

PERCENTAGE OF DATA VALID - 58.2

PERCENTAGE OF DATA INVALID - 41.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	2	6
FEB	26	0.9	3	5
MAR	31	1.0	3	5
APR	29	0.9	2	9
MAY	31	1.0	2	11
JUN	25	0.7	2	6
JUL	28	0.9	2	9
AUG	22	0.7	3	5
SEP	25	0.8	2	9
OCT	14	0.2	2	4
NOV	29	0.7	3	6
DEC	18	0.6	2	7
YEAR	309	0.8	3	11



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	740	2	0	0	0	0	0	0	0	0	0	742
FEB	617	0	0	0	0	0	0	0	0	0	0	617
MAR	735	0	0	0	0	0	0	0	0	0	0	735
APR	696	3	0	0	0	0	0	0	0	0	0	699
MAY	730	5	1	0	0	0	0	0	0	0	0	736
JUN	606	1	0	0	0	0	0	0	0	0	0	607
JUL	664	1	0	0	0	0	0	0	0	0	0	665
AUG	564	0	0	0	0	0	0	0	0	0	0	564
SEP	610	5	0	0	0	0	0	0	0	0	0	615
OCT	369	0	0	0	0	0	0	0	0	0	0	369
NOV	692	5	0	0	0	0	0	0	0	0	0	697
DEC	431	2	0	0	0	0	0	0	0	0	0	433
YEAR	7454	24	1	0	0	0	0	0	0	0	0	7479

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.1	0	0.0	0.0	0.2	0.7	1.6	2.0	3.0	3.7	11	0.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	2	1	1	1	1	1	2	2	2	2	3	3	3	1	1	2	2	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	2	2	2	2	3	3	3	3	2	4	3	2	2	2	2	1	1	2	3	4	2	1	1	2	2
7	2	2	2	1	1	2	8	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	1	1	1	2	2	2	1	1	1	1	2	1	1	0	0	0	1	1	2	1
11	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	6	5	3	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
14	1	1	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
18	1	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	1	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	1	0	0
22	0	0	0	0	0	1	1	1	1	3	2	3	1	1	1	1	1	1	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	0	0	0	0	1
26	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
28	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0
30	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033

EVANS/ARNOLD AVE. ETOBICOKE

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
3	1	0	0	0	1	1	1	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	2	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1
8	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	1	2	2	3	2	1	1	1	1	1	3	2	1	0	0	0	0	1	1	1
11	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	0
12	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0
13	1	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	1
14	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	1	0	1
15	0	1	1	1	1	1	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	1	1	0	1
17	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1
18	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	1	2	1	1	1	2	4	3	3	2
19	3	2	3	3	4	4	3	3	3	2	3	3	4	3	2	2	2	2	2	2	2	2	3	3	3
20	2	2	1	2	4	4	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
23	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
24	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033

EVANS/ARNOLD AVE. ETOBICOKE

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
2	2	2	2	2	2	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
3	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	1
5	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
9	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
10	1	1	2	1	2	2	3	3	2	1	1	3	2	2	2	2	2	1	2	1	1	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
12	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	1	1	1	2	1	1	1	1	1
13	0	1	1	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	2	3	2	1	0	0	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
17	1	1	1	1	1	1	2	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
20	0	0	1	1	1	1	1	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	3	1	2	2	2	1	1	1	1	0	0	0	0	1
24	0	0	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	2	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	1	1	0	0	0
27	0	1	1	1	0	0	0	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1
28	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2
29	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1
30	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	3	3	2	1	1	1	1	1	3	2	2	2	2	1	1	2	1	1	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2
8	2	2	2	2	2	2	1	2	2	2	2	2	2	3	2	2	2	1	1	1	1	2	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
18	1	1	1	1	1	0	1	1	1	1	1	1	2	4	3	2	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	2	1	1	2	2	2	2	3	3	2	2	2	2	1	1	1	1	1	2
20	1	2	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1	0	0	1	1	1	1
21	1	0	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	0	1	0	1	2	1	1	1	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	1
23	0	0	0	0	0	1	1	2	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	2	1	1	1
28	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
30	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	
2	0	0	0	0	0	0	0	1	1	0	1	2	2	3	5	3	2	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1	2	1
4	2	1	1	0	1	0	0	0	0	0	1	1	1	2	1	1	1	1	0	0	0	0	0	0	1
5	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
6	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1
7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	2
12	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	0	1	1	0	1	1
15	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	1	0	0	0
16	0	1	1	1	0	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	0	0	0	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
19	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
20	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	7	3	3	3	2	1	1	0	1
22	1	1	2	1	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	1	2	3	4	4	4	4	3	3	4	4	4	2	2	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	8	7	5	3	2	1	2	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
26	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1
27	1	1	1	1	1	1	1	0	0	0	0	1	1	2	1	1	1	1	2	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
29	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 94.8

PERCENTAGE OF DATA INVALID - 4.8

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 90.0

PERCENTAGE OF DATA INVALID - 9.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 88.3

PERCENTAGE OF DATA INVALID - 11.0

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE. ETOBICOKE												MONTH - AUG 80											
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	.....	.....	.....	.....	.....	.....	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
9	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
10	0	0	0	0	....	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	0	....	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
21	2	2	....	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	1	2	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
25	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	3	2	2	1	2	2
27	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	1	1	1
30	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2
31	2	2	2	1	1	1	1	2	1	1	1	1	1	2	2	2	2	1	2	2	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 93.0

PERCENTAGE OF DATA INVALID - 6.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE. ETOBICOKE												MONTH - SEP 80											
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
3	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	3	2	2	2	2	2
5	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1
12	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13																									
14																									
15																									
16	....	....	....	....	....	....	1	1	1	1	1	1	1	2	1	1	2	2	2	1	2	1	1	1	1
17	0	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	0	0	1	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	1	1	1	0	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	....	....	....	....	....	....	....	....	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	0	0	0	0	0	0
30	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 80.6

PERCENTAGE OF DATA INVALID - 19.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																								
STATION - C NO 35033		EVANS/ARNOLD AVE. ETOBICOKE												MONTH - OCT 80												
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	1	2	1	1	1	1	1	1	1	1
15		2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	3	3	2	2	2	2	2	2	3
16		2	2	1	2	1	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2
17		1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2
18		2	2	1	2	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
19		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1
21		0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	0
23		1	1	1	1	2	2	3	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	2	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2	1	1	0	0	0	0	0
28		0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
MEAN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0.6

PERCENTAGE OF DATA VALID - 64.1 PERCENTAGE OF DATA INVALID - 33.3 PERCENTAGE OF DATA UNAVAILABLE - 2.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
3	1	1	0	-	0	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	4	1
4	2	2	1	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	1	0	0	0	0	1	1	1	1	1	1	-	-	-	1	1	1	1	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-	0	0
9	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0	1	2	1	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	-	0	0	0	0	1	1	3	4	4	2	2	2	2	-
13	3	3	2	1	0	0	0	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
14	1	1	....	1	1	0	1	1	0	0	....	0	0	0	1	1	1	1	1	1	1	1	1	1	0
15	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	1	1	2	2	2	1
16	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0	0
17	3	3	2	2	3	2	3	4	4	1	-	0	0	2	1	1	1	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	2	2	1	1	2	3	3	1
21	3	3	4	4	3	5	4	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	1	1	0	0	1	1	1	1	0
23	1	2	1	1	1	1	2	3	3	3	4	4	....	2	2	2	2	2	2	1	2	2	2	2	2
24	2	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
26	0	0	0	0	1	1	2	1	1	1	1	....	0	0	0	0	0	1	1	1	1	1	1	1	1
27	-	2	3	3	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	0
29	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 1.9

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE, ETOBICOKE												MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1
2	1	0	0	0	0	0	0	0	1	1	1	0	1	1	1	2	2	0	3	2	0	0	1	1	1
3	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	1	1	1	2	1	4	3	2	2	1	1	1	1	2	1	-	2	2	1
5	2	2	2	2	2	2	3	3	3	2	***	***	0	0	0	0	0	0	3	4	4	4	4	4	2
6	3	3	4	4	3	3	4	5	4	2	0	0	0	0	0	0	1	1	0	0	0	1	2	2	2
7	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	4	1	-	0	0	0	1
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0
11	1	1	1	1	1	1	2	2	***	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	1
12	1	1	1	2	2	2	2	2	3	4	2	2	2	1	2	4	3	2	2	2	1	1	1	1	2
13	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	3	4	4	***	3	3	3	3	3	2
16	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	1	1	1	1	1	8	4	7	6	3	1	3	9	***	10	9	3	3
18	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	1
19	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	2	2	2	2	3	2	2	5	4	5	3	2	2	2	1	2	2	3	5	2
23	5	5	5	6	7	8	8	7	7	5	4	4	3	3	12	3	2	2	***	1	2	2	2	5	2
24	2	3	3	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
25	0	0	0	0	0	1	1	0	0	1	0	1	0	1	0	1	1	1	1	0	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	3	2	3	3	4	7	5	3	2	2	2	2	2	2	2	2	2	3	3	4	3	3
28	4	3	3	3	3	3	3	4	5	6	5	3	4	4	4	4	3	3	3	4	4	4	4	4	4
29	4	4	4	4	4	4	3	3	3	3	2	***	2	2	1	2	2	2	1	1	1	1	1	1	2
30	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
31	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	1	1	2	1	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	2	2	2	1.5

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION		
STATION - C NO 35033		EVANS/ARNOLD AVE, ETOBICOKE		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	2	8
FEB	29	0.7	3	4
MAR	31	0.8	2	4
APR	30	0.7	2	4
MAY	29	0.9	2	8
JUN	26	0.5	2	6
JUL	27	0.2	1	2
AUG	30	0.8	2	3
SEP	25	0.9	2	5
OCT	20	0.6	3	4
NOV	30	0.6	2	5
DEC	31	1.5	5	12
YEAR	339	0.7	5	12



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	728	4	0	0	0	0	0	0	0	0	0	732
FEB	681	0	0	0	0	0	0	0	0	0	0	681
MAR	734	0	0	0	0	0	0	0	0	0	0	734
APR	701	0	0	0	0	0	0	0	0	0	0	701
MAY	702	3	0	0	0	0	0	0	0	0	0	705
JUN	647	1	0	0	0	0	0	0	0	0	0	648
JUL	657	0	0	0	0	0	0	0	0	0	0	657
AUG	692	0	0	0	0	0	0	0	0	0	0	692
SEP	580	0	0	0	0	0	0	0	0	0	0	580
OCT	477	0	0	0	0	0	0	0	0	0	0	477
NOV	702	0	0	0	0	0	0	0	0	0	0	702
DEC	707	14	1	0	0	0	0	0	0	0	0	722
YEAR	8008	22	1	0	0	0	0	0	0	0	0	8031

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.4	0	0.0	0.0	0.1	0.6	1.4	1.9	2.8	3.5	12	0.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35050

MOE LAB RESOURCES RD ETOBICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	3	3	3	8	8	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	1	1	1	1	3	3	2	2	2	3	4	2	3	3	2	2	2	2	2	2
11	3	3	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	3	3	1	1	2	2	1	2	2	1	2	4	4	4	4	4	4	4	4	4
14	3	2	3	4	3	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2
15	1	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	1	1	1	2	2	3	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	1	1	1	1	1	1	1	1	1	1
30	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	4	1
3	4	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	2	2	2	2	1	2	2	1	1	1	1	2	6	4	3	2	2	2	2	2	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	0	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	0	1	2	3	3	2	1	1	1	1	1	1	1	1	1	0
10	0	0	0	0	1	2	4	4	4	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
11	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
12	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	1
14	2	2	2	2	3	3	3	3	3	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	2
15	0	0	0	0	0	0	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1
19	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1
20	3	2	2	1	2	2	1	1	2	3	3	3	3	3	3	1	2	1	1	1	1	2	2	2	2
21	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	4	8	7	5	4	4	3
24	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
25	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
26	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	1	1	1	0	0	0	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	1	1
28	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1	1	1	2	3	2	1	1	1	1
29	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	2	3	2	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1
3	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
4	1	1	1	2	2	1	2	2	2	2	3	3	2	2	2	2	2	2	1	1	1	2	3	2	2
5	2	2	3	3	2	3	3	2	2	3	3	3	4	3	2	2	2	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	5	4	4	4	5	3	2	2
8	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
9	0	1	1	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1
10	1	2	2	3	3	2	2	2	2	2	3	3	2	3	3	3	2	2	2	2	1	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
12	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1
13	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
16	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	2	1
20	1	1	2	1	1	1	1	2	2	2	1	2	2	4	3	2	2	1	1	1	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1
22	1	1	1	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	0	1	1
24	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	1
27	1	1	1	1	1	1	0	1	1	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1
28	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	2	1	1	1	1	0	1
30	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35050													MOE LAB RESOURCES RD ETOBICOKE												
MONTH - APR 80													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
3	2	1	1	2	2	1	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0
7	1	1	1	1	1	1	1	1	1	2	9	5	10	8	5	3	6	4	2	1	1	1	2	2	3
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	0	0	1	1	1	1	1	1	1	4	7	9	3	1	1	1	1	1	1	1	2
10	1	1	1	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
12	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	1	1	1	2	2	4	2	2	1	1	3	7	9	1	1	1	1	0	0	1
18	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	3	5	3	2	1	1	1	1	2
19	0	0	0	0	0	1	1	1	1	2	5	9	4	3	4	3	3	1	0	0	0	0	0	0	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	0	1	1	1	1	2	2	1
23	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	0
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
27	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35050													MOE LAB RESOURCES RD ETOBICOKE												
MONTH - MAY 80													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	3	2	1	1	1	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
3																									
4																									
5																									
6																0	0	2	2	2	2	2	2	2	2
7	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1		0	0	1	1	1	1	2	1	0	0	1	1	0
11																									
12																									
13																									
14																0	1	1	0	0	1	1	1	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	2	1	1	1	1	1
17	1	1	1	1	1	1	1	2	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1
19	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	10	6	2	2	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	10	4	2	1	2	1	1	2
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	0	0	0	0	0	0	0	0	0	0	1	1	3	4	4	4	3	3	2	2	2	2	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0										
26																									
27																1	1	1	1	1	2	1	1	1	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
29																									
30																4	3	2	3	3	2	3	3	2	
31	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 58.6

PERCENTAGE OF DATA INVALID - 41.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE													MONTH - JUN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1
2	0	0	0	1	1	1	1	1	1	1	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	3	1	0	0	1	1	1
4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1
5	0	0	1	0	0	0	0	0	0	1	1	1	3	5	3	2	2	2	1	1	1	1	0	0	1
6	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	1	1	1	0	0	0	0	0	0	1
7	1	1	1	1	1	1	1	0	0	0	0	0	1	1	2	1	2	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	0	0	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	2	2	2	3	3	4	6	4	5	6	5	3	2	2	3	2	2	2
13	1	0	0	0	1	1	1	2	2	1	2	2	2	3	2	4	3	3	3	3	3	2	2	1	2
14	1	1	1	2	2	2	2	2	2	3	4	3	4	3	3	2	2	2	2	2	1	1	1	0	2
15	0	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
17	0	0	0	0	0	1	1	1	1	1	2	3	4	3	...	3	2	2	1	2	2	2	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	1	1	1	1	1	1	2	2	3	3	3	2	1	1	1	1	1	1	1
20	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	2	2	3	2	2	2	2	2	2	2	3	2	2	1	1
23	1	0	0	0	0	1	1	1	1	1	1	2	2	3	3	2	2	4	4	2	2	2	1	1	2
24	1	1	1	1	0	0	0	1	5	6	5	5	5	14	15	12	6	6	5	4	4	3	2	1	4
25	1	1	1	1	1	0	1	1	2	2	3	4	11	15	6	6	5	6	4	2	1	0	0	1	3
26	1	1	1	1	1	0	0	2	2	1	1	2	1	1	1	1	1	1	1	1	1	0	1	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	...	0	0	0	0	0	0	1	1	1	1	0	0
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	0	1.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE													MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1	1	1	2	2	1
2	3	2	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	1	1	1	1	1	2	2	4	4	5	1	1	1	0	0	1	1	1
4	0	0	0	0	0	0	1	1	1	1	1	1	4	3	3	3	3	3	3	3	2	2	2	1	2
5	1	1	1	1	1	1	1	1	2	3	2	3	2	2	2	2	2	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	1	1	1	1	1	1
8	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	1	3	10	7	3	3	2	3	3	1	1	1	1	2
11	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
14	0	0	0	0	0	0	0	1	1	0	1	6	4	1	1	1	3	5	8	5	1	2	1	1	2
15	1	1	1	1	1	1	1	1	1	0	1	1	3	2	2	2	2	1	1	1	1	1	1	1	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	0
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
18	0	0	0	0	0	0	0	1	1	1	1	4	12	14	1	0	1	2	1	1	0	0	1	1	2
19	1	1	0	0	0	0	0	1	2	3	4	3	3	2	2	2	2	2	2	2	1	1	1	1	2
20	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	2	2	2	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	5	10	6	1	1	1	1	2	2	2	2	2	1	1	1	1	2
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	0	1	0	0.7

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - C NO 35050											MOE LAB RESOURCES RD ETOBICOKE														
MONTH - AUG 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1
5	1	0	0	0	0	0	0	1	1	1	2	2	4	3	2	2	2	2	1	1	1	0	1	1	1
6	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	0	1	1	1	2	3	5	3	2	2	2	2	2	2	1	1	1	1	2
8	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	1	1	2	3	2	2	1	1	1	1	1	0	0	0	1
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	2	2	4	8	4	3	2	1	1	1	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
20	0	0	0	0	0	1	1	2	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1
25	0	0	0	0	0	0	0	1	1	1	2	2	2	3	4	4	3	2	2	2	2	1	1	1	1
26	1	1	1	1	0	0	0	1	2	2	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	2	2	1	1	1	1	0	0	1	1
30	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	2	2	2	1	2	1	2	1
31	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - C NO 35050					MOE LAB RESOURCES RD					ETOBICOKE					NORTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	2	1	1	0	0	0
4	0	0	0	0	0	0	0	1	1	1	3	7	6	1	1	2	3	6	4	3	3	2	2	1	2
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	1	10	6	3	3	10	22	3	1	1	1	1	1	1	1	3
9	1	1	1	1	1	1	1	2	2	2	3	2	2	2	2	1	1	1	1	1	1	0	0	1	1
10	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
14	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	7	2	1	1	1	2	2	3	2	2	2	2	1	1	1	1	1
17	2	1	1	1	1	1	1	1	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	2	2	1	1	0	0	0	0	0
20	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	1	0	1
22	0	0	0	0	0	0	0	0	0	0	0	1	7	4	1	1	1	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	1	1	1	2	3	2	2	5	6	4	1	2	2	2	1	1	2
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	1	5	5	1	2	2	2	3	7	1	1	0	0	0	0	1
30	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	3	3	3	3	3	2	2	2	2	2
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0.0



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																																			
STATION - C NO 35050												MOE LAB RESOURCES RD												ETOBICOKE												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																						
1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																						
2	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
3	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0																						
4	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
7	0	0	0	0	1	1	1	1	1	2	1	1	1	2	6	6	6	4	3	1	1	1	0	0	0																						
8	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	0	0	1																						
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	0	1																						
10	0	0	0	0	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1																						
11	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
13																																															
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23																																															
24																																															
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1																						
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0																						
28	0	1	1	1	1	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0																						
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																						
31	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0																						
MEAN	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0.5																						
PERCENTAGE OF DATA VALID - 59.8												PERCENTAGE OF DATA INVALID - 40.2												PERCENTAGE OF DATA UNAVAILABLE - 0.0																							

PERCENTAGE OF DATA VALID - 59.8

PERCENTAGE OF DATA INVALID - 40.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35050													MOE LAB RESOURCES RD ETOBICOKE												
MONTH - NOV 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1
3	2	1	1	1	0	1	1	1	1	2	2	3	3	3	3	2	2	2	2	2	2	3	3	4	2
4	5	3	2	2	1	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	2	2	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	1	1	1	1	1	1
9	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	1	4	3	2	2	0	0
13	1	2	2	3	2	1	1	1	3	2	2	1	1	1	2	2	2	1	2	2	1	1	1	1	2
14	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
15	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	1
16	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	1	1	1	1	2	1
17	1	1	1	1	1	1	1	2	2	3	4	2	1	1	1	1	1	1	1	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	2	2	1
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1	1	1	0	0	0	0	0	2	3	1	1	1	1	2	2	2	2	2	2	2	1
21	2	2	2	3	4	5	4	4	2	1	2	2	1	1	0	1	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	2	4	5	7	6	6	6	7	5	4	4	3	3	2	2	2	2	3
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	0	0	0	0	1	1	1	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
27	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0
28	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
29	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE										MONTH - DEC 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
11	1	1	0	0	0	1	1	2	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	1	1	1	3	8	6	2	2	3	3	3	2	2	1	2	1	1	2
13	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
14	DATA INVALID																								
15	DATA INVALID																								
16	DATA INVALID																								
17	0	0	0	0	0	0	0	0	0	0	0	1	1	8	7	4	3	0	1	1	2	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
22	1	1	1	1	2	1	1	2	3	3	2	2	3	3	4	4	3	3	4	2	3	3	4	5	3
23	6	6	6	7	7	7	6	5	5	4	5	5	5	4	3	3	2	1	1	1	2	3	3	3	4
24	3	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1
26	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
27	2	2	2	2	2	3	3	3	5	5	4	4	2	2	2	2	1	1	1	2	2	2	2	2	2
28	3	3	3	3	3	3	3	4	4	5	6	6	5	6	6	6	5	5	5	5	6	6	6	6	5
29	6	5	5	5	4	3	4	3	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3
30	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	1
31	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 84.3 PERCENTAGE OF DATA INVALID - 15.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION			
STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE													
MONTH	NO OF DAYS	AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING							
JAN	31	0.7		2		8							
FEB	28	1.2		3		8							
MAR	31	1.0		2		5							
APR	30	0.7		3		10							
MAY	15	0.8		2		10							
JUN	30	1.0		4		15							
JUL	31	0.7		2		14							
AUG	30	0.6		2		8							
SEP	30	0.6		3		22							
OCT	18	0.5		2		6							
NOV	30	0.8		3		7							
DEC	25	1.4		5		8							
YEAR	329	0.8		5		22							



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	736	2	0	0	0	0	0	0	0	0	0	738
FEB	679	3	0	0	0	0	0	0	0	0	0	682
MAR	744	0	0	0	0	0	0	0	0	0	0	744
APR	706	9	0	0	0	0	0	0	0	0	0	715
MAY	430	6	0	0	0	0	0	0	0	0	0	436
JUN	701	8	5	0	0	0	0	0	0	0	0	714
JUL	735	6	2	0	0	0	0	0	0	0	0	743
AUG	717	1	0	0	0	0	0	0	0	0	0	718
SEP	701	10	0	0	1	0	0	0	0	0	0	712
OCT	442	3	0	0	0	0	0	0	0	0	0	445
NOV	708	5	0	0	0	0	0	0	0	0	0	713
DEC	606	21	0	0	0	0	0	0	0	0	0	627
YEAR	7905	74	7	0	1	0	0	0	0	0	0	7987

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.9	0	0.0	0.0	0.1	0.6	1.6	2.2	3.6	5.1	22	0.8

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E, BURLINGTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	0	0	1	1	0	0	1	1	2	3	2	1	1	1	1	0	0	0	0	0	0	0	0	1
5	0	1	2	2	2	2	2	1	1	1	2	2	2	3	2	0	0	0	0	0	0	0	0	0	1
6	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1
7	3	3	4	7	6	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1
10	0	0	0	0	0	1	0	1	0	1	0	0	1	1	0	1	1	1	0	0	0	1	1	1	0
11	1	1	1	1	1	2	2	2	1	1	2	2	2	3	4	4	3	2	2	1	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	3	1
14	3	3	3	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2
15	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
16	0	0	1	1	1	0	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	1	1	1	0	0	0	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	1	1	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - MAR 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	0
2	2	2	2	2	2	1	1	1	2	4	5	1	1	1	1	1	1	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
4	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1
5	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	1
9	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	2	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	1	1	1	1	1	1	1	2	1	2	2	1	1	1	0	1	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	2	1	0	0	1	0
20	1	1	2	2	2	2	2	3	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - FEB 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0
2	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	0
4	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	2	2	3	1
6	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
7	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0
8	0	0	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
9	2	2	2	1	1	1	0	1	1	0	0	1	1	4	1	1	1	1	0	0	0	0	1	1	1
10	1	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	1
11	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
12	1	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
13	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1
14	2	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1
15	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	1	1
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	1	1	2	2	2	2	1
19	2	3	4	4	3	3	2	2	2	1	2	1	1	1	1	1	0	1	1	1	1	0	0	0	2
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	1	1	0	0	0	1	0	1	0	3	0	1	0	0	0	1	1	1	0
29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - APR 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	0	0	0	0	1	0	1	2	1	1	1	0	0	0	1	1	1	2	1	1
22	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	1	0	0	0	0	0	0	0	0	2	3	1	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - MAY 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
6	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	2	3	3	1	1	0	1
7	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	1	1	1	1	1	0	0	0	0	0
11	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1
23	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
24	0	1	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
25	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
26	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0
29	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0	0
30	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3	2	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - JUN 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
2	0	0	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
4	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	2	3	2	2	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - JUL 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0
8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0
15	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON		MONTH - AUG 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 84.4 PERCENTAGE OF DATA INVALID - 11.6 PERCENTAGE OF DATA UNAVAILABLE - 4.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON		MONTH - SEP 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	2	2	2	3	3	3	2	2	3	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 93.1 PERCENTAGE OF DATA INVALID - 6.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON		MONTH - DEC 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	2	1	1	2	4	1	1	1	2	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	2	2	2	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1
5	1	1	1	1	1	1	2	2	2	2	2	0	0	0	0	0	0	0	0	0	1	1	1	2	1
6	2	2	1	1	2	1	1	2	2	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
12	1	1	1	1	1	1	1	1	0	0	0	2	2	2	2	2	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	2	2	3	2	2	2	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
22	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	2	1	1	2	2	2	2	1
23	2	3	4	5	5	4	4	4	4	3	2	2	2	2	1	1	1	1	1	2	2	2	2	2	3
24	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	3	2	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1
28	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	4	4	3	3	4	4	4	4	4	3
29	4	3	4	3	4	3	3	4	4	3	3	2	0	2	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	0	0	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1
31	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.7	2	7
FEB	29	0.6	2	4
MAR	31	0.4	2	8
APR	30	0.1	1	5
MAY	31	0.4	1	5
JUN	30	0.3	1	3
JUL	31	0.1	1	2
AUG	26	0.3	1	2
SEP	27	0.8	2	4
OCT	24	0.6	2	5
NOV	26	0.9	5	10
DEC	31	0.7	3	5
YEAR	347	0.5	5	10



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E. BURLINGTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	742	2	0	0	0	0	0	0	744
FEB	691	0	0	0	0	0	0	0	691
MAR	737	2	0	0	0	0	0	0	739
APR	718	0	0	0	0	0	0	0	718
MAY	740	0	0	0	0	0	0	0	740
JUN	716	0	0	0	0	0	0	0	716
JUL	742	0	0	0	0	0	0	0	742
AUG	628	0	0	0	0	0	0	0	628
SEP	670	0	0	0	0	0	0	0	670
OCT	617	0	0	0	0	0	0	0	617
NOV	623	10	0	0	0	0	0	0	633
DEC	739	0	0	0	0	0	0	0	739
YEAR	8363	14	0	0	0	0	0	0	8377

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.4	0	0.0	0.0	0.0	0.3	0.9	1.3	2.0	2.8	10	0.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
2	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	1	1	1	1	1	1	1	2	2	3	4	3	1	1	1	0	0	0	0	0	0	0	0	0	1
5	0	1	2	2	2	2	2	0	0	1	3	3	3	2	3	1	0	0	0	0	0	0	0	0	1
6	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
7	2	2	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1
8	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1
11	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	2	2	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	0	0	1	1	1	1	3	4	3	2
15	1	1	1	1	1	0	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	1	1
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
17	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1
18	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	0
22	2	1	1	1	1	0	0	0	1	1	2	1	1	1	1	1	1	1	0	0	2	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	1	1	1	1	1	1	0	0	1	2	2	2	3	2	1	0	0	0	0	0	0	0
26	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
30	0	0	0	0	1	2	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	0
4	1	2	2	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1
5	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	2	0
6	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	1
7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
9	2	2	1	1	1	0	0	0	0	0	2	6	3	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11	1	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0
12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1
13	2	2	2	2	2	3	3	2	2	3	4	3	2	2	2	3	4	5	3	3	4	4	4	4	3
14	5	4	3	3	3	4	6	4	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	3	3	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	3	5	3
18	4	3	6	4	3	3	2	2	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	3
19	6	4	6	5	7	3	4	2	3	3	3	3	4	2	2	1	0	0	0	1	1	1	1	0	0
20	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1
24	1	1	0	0	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0
27	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	1	1	1	1	1	1	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	1	0	1	2	0	0	0	1	1	1	2	1	1	1	2	2	3	2	0	0	1
4	1	2	3	2	1	1	1	1	1	2	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	
5	0	1	1	1	0	0	0	1	1	1	2	1	2	1	1	1	0	0	0	0	0	0	0	0	1	
6	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	
7	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1	0	0	0	0	0	
10	1	1	0	0	0	0	0	1	1	1	2	1	1	2	2	1	1	1	1	2	1	0	0	0	1	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12												- DATA UNAVAILABLE -														
13												- DATA UNAVAILABLE -														
14												- DATA UNAVAILABLE -														
15												- DATA UNAVAILABLE -														
16												- DATA UNAVAILABLE -														
17												- DATA UNAVAILABLE -														
18												- DATA UNAVAILABLE -														
19												- DATA UNAVAILABLE -														
20												- DATA UNAVAILABLE -														
21												- DATA UNAVAILABLE -														
22												- DATA UNAVAILABLE -														
23												- DATA UNAVAILABLE -														
24												- DATA UNAVAILABLE -														
25												- DATA UNAVAILABLE -														
26												- DATA UNAVAILABLE -														
27												- DATA UNAVAILABLE -														
28												- DATA UNAVAILABLE -														
29												- DATA UNAVAILABLE -														
30												- DATA UNAVAILABLE -														
31												- DATA UNAVAILABLE -														
MEAN	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0.5	

PERCENTAGE OF DATA VALID - 33.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 66.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1990

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	2	4
FEB	29	0.9	3	7
MAR	10	0.5	1	6
YEAR	70	0.7	3	7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1990

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TOVER	TOTAL
JAN	735	0	0	0	0	0	0	0	0	0	0	735
FEB	684	7	0	0	0	0	0	0	0	0	0	691
MAR	246	1	0	0	0	0	0	0	0	0	0	247
YEAR	1665	8	0	0	0	0	0	0	0	0	0	1673

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	99	MAX	ARITH MEAN
76.6	0	0.0	0.0	0.0	0.5	1.5	2.0	3.0	3.8	7



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	1	1	1	1	2	1	2	1	1	1	0	1	1	2	2	2	2	2	2	2	3	2	2	1	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0
12	0	0	0	0	0	0	1	1	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
15	2	5	5	3	3	2	4	2	5	3	5	4	4	3	4	3	3	2	1	0	0	0	0	0	3
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
17	0	0	0	0	0	1	1	2	3	2	3	1	1	0	0	1	1	1	1	1	2	2	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	1
19	0	0	0	1	0	0	1	1	2	3	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
20	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
21	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
22	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	0	0	0	0	1	2	4	2	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	0	0	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	1	0	0	1	1	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 70.1

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 28.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE												MONTH - MAY 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1
5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	0	0	0	0
6	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	2	1	1	1	1	0	0	1
7	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8													DATA INVALID												
9													DATA INVALID												
10													DATA INVALID												
11	1	1	0	1	1	1	1	1	2	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18													DATA INVALID												
19													DATA INVALID												
20													DATA INVALID												
21	0	0	0	0	0	0	0	0	0	1	1	1	0	1	4	4	4	1	1	6	10	0	0	0	0
22	0	0	0	2	2	1	1	1	0	0	0	0	1	1	2	3	1	1	0	0	0	0	0	0	0
23	1	1	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	1	2	6	6	4	2	1	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	2	2	1	1	1	1	1
29	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	0	1	1	1	0	1	1	2	0	1	1	1	2	7	1	2	1	1	1	1	1	1
31	1	1	2	4	1	1	4	4	6	5	9	3	5	6	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 77.8

PERCENTAGE OF DATA INVALID - 19.0

PERCENTAGE OF DATA UNAVAILABLE - 3.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE													MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	4	1	1	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9	1	1	0	0	0	1	4	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	2	1	1	1	0	0	0	1	1	2	3	2	2	1	2	1
13	1	1	1	2	1	1	6	9	3	8	5	4	4	6	2	2	3	5	4	5	2	2	2	3
14	3	2	3	2	1	1	1	4	10	10	6	6	1	1	4	5	6	1	0	0	0	0	0	3
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0
17	0	0	0	0	0	0	1	3	4	1	1	0	1	1	0	0	1	2	3	1	6	6	3	2
18	1	1	2	1	2	6	9	5	4	3	5	4	1	1	1	1	1	0	0	0	1	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	0	0	1	0	0	0	1	1	2	1	1	2	2	2	2	3	3	2	2	3	3	1	1	1
23	1	2	2	2	3	3	3	3	2	2	2	2	1	2	2	4	7	3	2	3	2	2	1	2
24	0	0	1	1	1	0	1	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	4	2
25	4	3	3	2	1	1	1	2	2	2	2	3	3	3	3	4	4	3	3	4	2	2	5	3
26	2	2	2	2	3	4	6	7	10	8	7	8	9	9	9	10	8	5	5	4	3	2	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	DATA INVALID												DATA INVALID											
29	DATA INVALID												DATA INVALID											
30	DATA INVALID												DATA INVALID											
MEAN	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 87.8

PERCENTAGE OF DATA INVALID - 12.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE													MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	1	2	3	1	1	0	1	2	2	1	1	0	0	0	1	0
2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	0	0	1	1	2	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	2	1	2	1	1	0	1	1	1	1	1	1	0	1
5	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	2	1	1	2	1	1	1	0	1
8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	2	1	1	0
11	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0
14	0	0	0	0	0	0	0	1	1	2	2	1	1	0	0	0	0	1	1	0	0	0	0	1
15	1	1	1	1	2	1	1	1	1	0	0	0	1	2	2	1	0	0	1	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	3	1	2	4	1	2	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0
21	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	2	1	1	3	1	1	1	1	1	2	2	2	1	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS MILLION												
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE													MONTH - AUG 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
2	0	1	0	1	1	1	1	1	1	1	1	1	2	1	5	0	2	4	1	0	0	0	0	0	1
3	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0
5	1	1	1	1	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	2	6	6	7	4	2	1	1	1	0	0	0	1	1	1	1	3
7	1	1	0	0	0	1	2	2	4	4	1	1	1	0	1	6	1	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0	1	1	1	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
24	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	1	1	1	1	0	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
26	1	1	0	0	0	1	1	1	1	0	1	1	1	2	5	3	2	2	3	4	1	1	1	1	1
27	1	2	2	1	1	1	1	1	1	1	2	3	2	2	2	1	1	2	2	5	1	1	0	0	2
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	0	0	0	0	1	1	1	1	0	2	1	0	0	0	0	0	0	0	0	1	1	1	1	0
30	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
31	1	1	1	2	4	4	10	1	4	8	8	4	14	10	2	2	2	3	6	2	1	0	1	0	4
MEAN	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE													MONTH - SEP 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	22	30	13	7	5	1	4	1	2	1	1	1	1	1	6	4	2	1	0	1	0	1	1	5
2	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	2	1	1	1	0	0
5	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	2	0	2	0	1	0	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	3	4	4	3	1	0	1	0	0	0	0	0	0	0	0	1
21	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	1	2	1	0	0	0	0	1	1
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0
24	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
25	1	0	0	0	0	1	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	1	1
26	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	3	1	2	3	2	3	2	1	1	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0
29	0	1	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
30	0	0	0	1	1	1	1	2	4	4	5	3	2	2	2	2	1	2	2	2	2	2	2	2	2
MEAN	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE													MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	2	2	3	2	3	1	....	....	1	3	1	1	2	2	2	1	1	2	3	2
2	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	0	0	0	0	0	0	1	....	....	0	0	1	0	1	0	0	0	0	0	0	1
4	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	0	1	0	....	....	0	2	3	4	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	9	3	1	1	1	1	0	0	0	1	1	1	1
8	2	4	3	1	4	6	5	4	9	11	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
11	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	0	1	0	0	0	0	0	0	1	....	....	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	1	1	1	1	2	0
18	2	2	3	1	1	1	2	1	0	0	2	2	1	0	0	0	0	2	2	2	0	0	0	0	0
19	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	....	....	....	....	1	....	....	....	....	0	0	0	0	0	0	1
21	7	3	0	2	1	0	0	0	0	0	0	....	....	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0
28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	3	0	0	3	2	1	8	3	3	7	9	6	4	6	3	6	3	3
31	6	6	8	8	10	5	6	6	7	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	0	0	1	1	0	0	0	0	1	0.5

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	3	9	8	5	3	2	1	2	3	2	3	2	3	2	2
4	3	0	1	0	1	1	3	7	4	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	1	2	0	0	0	2	5	10	10	13	15	14	8	8	8	9	11	7	4	1	0	1	5
7	5	7	11	7	2	1	1	6	5	2	2	4	3	2	3	1	1	0	0	0	0	0	0	0	3
8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
9	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	0	0	0	0	0	0	0
12	0	1	0	0	1	1	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	2	6	2	1	2	1	1	3	2	2	3	2	1	1	1	1	0	1
14	0	0	***	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	1	0	0	***	***	0	0	0	0	0	0	0	1	2	3	2	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	2	1	1	0	1	1	2	***	0	0	0	5	2	0	1	0	1	2	1
20	2	1	1	1	1	0	2	1	1	1	2	3	3	3	3	2	2	1	1	2	1	2	2	3	2
21	3	2	3	5	4	4	4	4	5	2	2	***	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	1	2	3	4	2	3	4	3	4	2	2	4	3	2	3	3	2	2
23	2	1	3	4	4	4	3	5	4	5	4	4	3	3	3	2	3	3	1	2	2	2	2	1	3
24	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
27	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	3	1	1
29	0	7	12	4	3	7	10	15	16	9	2	0	0	0	0	0	0	0	0	0	2	***	0	0	4
30	0	1	3	1	0	0	3	1	0	0	5	5	4	10	0	1	1	0	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	24	9	1	3	2	2	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	2	2	0	0	0	0	0	0	0	0	1	1	1	2	2	1
6	2	1	1	1	1	1	0	1	1	2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
7	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
8	0	0	0	0	0	0	0	0	1	1	4	4	5	5	3	1	0	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
12	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	1	2	6	1
13	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	1	2	3	1
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	2	2	1	2
15	4	3	3	3	1	1	1	1	1	1	1	1	2	2	2	1	2	3	3	2	2	0	0	0	0
16	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1
17	0	0	0	0	0	0	0	0	0	0	1	3	4	3	2	2	2	1	1	2	2	2	1	2	1
18	2	5	5	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	1	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	0	1	1	1	2	3	3	1
23	3	4	5	5	5	5	5	3	4	3	3	5	4	3	3	3	2	3	3	3	2	2	2	2	4
24	2	2	2	2	2	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	2	3	2	3	2	0	1	2	2	3	3	3	2	2	1	1	1	1	1	1	1	2
27	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	0	0	0	0	0	0	1
28	0	0	0	0	0	0	1	1	2	3	4	4	4	4	5	4	4	4	3	4	4	5	4	3	3
29	4	3	3	3	3	3	3	3	3	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	2
30	0	1	1	1	0	0	0	1	1	1	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN				DATA UNAVAILABLE
FEB				DATA UNAVAILABLE
MAR				DATA UNAVAILABLE
APR	21	0.6	5	5
MAY	21	0.6	2	10
JUN	25	1.1	5	10
JUL	31	0.2	1	4
AUG	30	0.6	4	14
SEP	30	0.5	5	30
OCT	31	0.5	3	11
NOV	30	1.0	5	16
DEC	31	0.8	4	24
YEAR	250	0.7	5	30



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	505	0	0	0	0	0	0	0	505
MAY	571	8	0	0	0	0	0	0	579
JUN	606	26	0	0	0	0	0	0	632
JUL	743	0	0	0	0	0	0	0	743
AUG	705	11	3	0	0	0	0	0	719
SEP	704	3	1	0	1	1	0	0	710
OCT	710	19	1	0	0	0	0	0	730
NOV	680	19	7	1	0	0	0	0	707
DEC	714	3	1	0	1	0	0	0	719
YEAR	5938	89	13	1	2	1	0	0	6044

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.6	0	0.0	0.0	0.0	0.2	1.4	2.7	4.7	6.7	30	0.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	1	1	0	1	0	1	2	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	2	2	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	1	1	0	0	0	0	2	1	1	0	0	0	1	1	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	5	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
15	1	1	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	3	3	0
22	2	3	4	4	2	2	0	0	1	1	1	1	2	1	2	2	3	2	2	2	1	1	1	0	2
23	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	0	0	1	1	2	1	1	1	0	0	0	0	2	0	0	0	0	1	0	0	0	1	1
25	1	1	0	1	2	4	4	3	4	3	1	0	0	1	0	0	0	1	1	0	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	1	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	1	1	1	2	2	2	2	1	1
30	4	3	2	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0
MEAN	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 45025 RITSON RD/OLIVE AVE, OSHAWA													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	0
2	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	...	1	2	0
3	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0
4	0	0	0	0	1	1	0	1	0	...	...	1	0	0	0	0	0	0	0	1	1	0	1	1	0
5	1	1	0	1	1	1	1	1	1	1	0	...	0	0	0	0	0	1	1	1	0	0	0	1	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
7	1	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
8	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	1	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	0
11	1	1	2	2	2	1	1	2	2	3	2	2	2	3	...	3	2	1	1	1	1	2	1	2	2
12	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	1	2	2	1	1	2	3	3	3	3	...	2	1	1	1	2	4	5	2	2
14	2	2	2	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	...	0	0	0	...	0	0
16	0	0	0	1	1	0	1	0	0	0	0	0	0	1	0	0	1	1	0	1	0	1	2	2	1
17	1	1	1	1	1	2	1	2	1	0	2	0	0	0	0	0	0	0	0	0	1	1	1	0	1
18	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	1	1	1	1	2	3	2	2	2	2
19	2	2	3	4	4	3	3	4	3	2	2	2	2	2	3	3	2	3	3	3	3	2	1	1	3
20	1	2	1	1	1	1	1	2	1	1	1	2	1	1	1	2	1	2	2	2	1	2	2	1	1
21	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	1
22	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1
26	1	2	1	1	1	1	1	1	1	1	1	1	1	1	...	0	0	1	1	1	2	2	1	1	1
27	1	2	1	1	1	1	...	1	1	2	1	1	1	1	0	1	2	2	2	2	2	1	2	2	1
28	1	1	1	1	2	2	1	2	1	1	1	0	0	...	1	1	0	0	0	0	1	0	0	1	1
29	1	1	0	1	1	1	0	1	1	0	0	0	1	0	1	0	0	0	0	1	0	3	2	3	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 45025 RITSON RD/OLIVE AVE, OSHAWA													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	1
2	0	1	1	1	2	2	3	3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
3	1	2	3	3	3	2	2	3	2	2	1	1	3	2	2	1	1	2	4	1	1	1	1	1	2
4	1	1	1	1	1	1	2	2	2	2	2	2	3	2	4	3	1	3	3	1	1	2	3	2	2
5	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
6	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2	2	0	1	1	0	1	1	1	0	1
7	1	1	2	2	3	3	3	2	1	1	1	0	0	2	2	2	1	2	2	2	1	1	1	1	2
8	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
9	1	2	3	2	2	2	2	2	1	2	0	0	0	2	2	1	2	2	1	2	3	2	2	1	2
10	1	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1	2	1	1	1	1
11	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
12	1	2	2	2	1	2	4	4	2	2	2	0	0	0	0	0	0	1	2	1	2	0	0	0	1
13	2	1	1	2	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	1	1	3	3	3	2	1	1	1	0	0	0	3	2	1	1	1	1	1	1
16	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1
18	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	1	1	3	2	2	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0
22	1	1	1	1	1	2	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	*****													*****											
25	*****													*****											
26	*****													*****											
27	*****													*****											
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
30	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 87.6

PERCENTAGE OF DATA INVALID - 12.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 45025		RITSON RD/OLIVE AVE. OSHAWA												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
11	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	1
12	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	2	1	1	1	1	3	2	***	0	0	1	1	0	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
17	- DATA INVALID -																								
18	- DATA INVALID -																								
19	- DATA INVALID -																								
20	- DATA INVALID -																								
21	- DATA INVALID -																								
22	- DATA UNAVAILABLE -																								
23	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	1	1	5	4	4	4	4	4
24	4	2	4	1	1	0	0	1	1	1	1	1	0	***	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
26	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
28	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3
30	3	3	3	3	3	3	3	4	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
MEAN	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1.4

PERCENTAGE OF DATA VALID - 77.2      PERCENTAGE OF DATA INVALID - 16.7      PERCENTAGE OF DATA UNAVAILABLE - 6.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 45025		RITSON RD/OLIVE AVE. OSHAWA												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	-	3	***	4	4	4	3	3	3	3
2	3	3	4	3	4	4	4	4	4	4	4	4	4	3	4	4	3	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
5	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
21	0	0	1	1	1	1	1	***	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	0	0	0	1	1	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	***	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	1	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	***	0	***	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 93.4      PERCENTAGE OF DATA INVALID - 6.2      PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA														MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	1	0	0	1	1	0	1
3	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1
4	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
5	1	1	1	1	1	2	2	1	1	1	2	2	0	1	1	2	2	1	1	1	1	1	1	1	1
6	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
12	0	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	1	0	1	1	1	0	0	0	1
13	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	2	1	1	1	1	1	0	0	1
14	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
16	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	1
17	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1	0	1	1	0	1	0	0	0	1
18	0	0	0	0	0	1	0	1	1	2	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	1	1	2	1	0
25	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0.5

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA														MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	1
2	0	0	1	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
6	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1	1	1	3	2	1	0	1	0	0	0
8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	DATA INVALID																								
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 91.7

PERCENTAGE OF DATA INVALID - 7.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19	2	2	2	2	2	3	3	3	2	2	1	2	1	1	1	1	2	1	1	1	2	2	2	2	2
20	2	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1
27	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
29	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 40.7

PERCENTAGE OF DATA INVALID - 59.0

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH - OCT 80

STATION 1000		STATION 1000																								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	1	1	2	2	2	2	3	3	3	2	2	2	1	1	1	1	1	2	2	2	2	
2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	1	1	1	1	1	1	1	1	
7	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	1	1	1	1	1	1	1	1	
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	
9	- DATA INVALID -																									
10	- DATA INVALID -																									
11	- DATA INVALID -																									
12	- DATA INVALID -																									
13	- DATA INVALID -																									
14	- DATA INVALID -																									
15	- DATA INVALID -																									
16	- DATA INVALID -																									
17	- DATA INVALID -																									
18	- DATA INVALID -																									
19	- DATA INVALID -																									
20	- DATA INVALID -																									
21	- DATA INVALID -																									
22	- DATA INVALID -																									
23	- DATA INVALID -																									
24	- DATA INVALID -																									
25	- DATA INVALID -																									
26	- DATA INVALID -																									
27	- DATA INVALID -																									
28	- DATA INVALID -																									
29	- DATA INVALID -																									
30	.....												0	0	2	1	1	0	0	0	0	0	0	0	1	.....
31	1	0	0	1	3	0	1	3	1	0	1	4	0	0	0	0	0	0	0	0	0	1	0	0	1	
MEAN	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.2	

PERCENTAGE OF DATA VALID - 28.0

PERCENTAGE OF DATA INVALID - 71.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 45025		RITSON RD/OLIVE AVE., OSHAWA												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	0	0	0	0	0	0	0	3	4	1
2	1	1	4	4	4	4	4	3	0	0	1	4	3	2	0	1	1	0	1	2	5	6	5	2	2
3	1	1	1	2	4	4	4	3	1	2	3	1	-	-	-	-	-	-	-	-	-	-	-	-	*****
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0
9	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
11	0	0	1	1	1	1	0	1	1	0	0	1	0	1	0	1	0	0	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	1	4	3	2	2	2	1	1
13	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	2	1	0
17	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0
19	1	1	0	0	0	1	1	1	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
20	1	2	2	3	3	3	1	1	1	2	1	1	2	1	1	1	1	1	2	2	1	1	1	1	2
21	1	3	2	3	4	3	2	2	2	3	2	2	1	0	1	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	0	1	0	1	2	1	0	1	1	1	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
25	0	1	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
26	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	3	3	1
27	-	-	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 82.5

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 13.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 45025												RITSON RD/OLIVE AVE. OSHAWA													
												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	1	1	0	1	1	0	0	0	0
3	1	0	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	1	1	1	0	1	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	-	1	1	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	1	1	2	2	1
6	2	2	1	2	3	3	2	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
8	1	1	1	1	1	1	1	2	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	1	2	2	3	3	1	1	0	0	0	0	0	0	0	0	0	-	-	-	-	1
12	0	0	1	1	2	2	3	4	2	1	0	1	1	1	1	0	1	1	1	1	1	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	2	2	1	2	3	4	3	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2
16	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	1
17	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	2	1	1	1	2	1	1	1
18	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	0	0	-	-	0	0	0	0	1	1	0	1	1	1	0
20	1	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
21													- DATA INVALID -												
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	2	1	0	0	0	1	0	2
23	1	2	3	3	3	2	3	3	4	4	4	3	5	4	1	0	1	0	0	1	1	1	1	2	2
24	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25													- DATA INVALID -												
26													- DATA INVALID -												
27													- DATA INVALID -												
28													- DATA INVALID -												
29													- DATA INVALID -												
30													- DATA INVALID -												
31													- DATA INVALID -												
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0.7

PERCENTAGE OF DATA VALID - 67.1

PERCENTAGE OF DATA INVALID - 31.5

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.4	2	5
FEB	29	0.8	3	5
MAR	27	0.9	2	4
APR	23	1.4	3	5
MAY	29	0.8	3	6
JUN	30	0.5	1	2
JUL	26	0.4	1	3
AUG		DATA UNAVAILABLE		
SEP	12	1.1	2	3
OCT	8	1.2	2	4
NOV	23	0.6	2	6
DEC	21	0.7	2	5
YEAR	261	0.7	3	6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	733	0	0	0	0	0	0	0	733
FEB	680	0	0	0	0	0	0	0	680
MAR	652	0	0	0	0	0	0	0	652
APR	556	0	0	0	0	0	0	0	556
MAY	694	1	0	0	0	0	0	0	695
JUN	708	0	0	0	0	0	0	0	708
JUL	682	0	0	0	0	0	0	0	682
AUG		DATA UNAVAILABLE							
SEP	293	0	0	0	0	0	0	0	293
OCT	208	0	0	0	0	0	0	0	208
NOV	593	1	0	0	0	0	0	0	594
DEC	499	0	0	0	0	0	0	0	499
YEAR	6298	2	0	0	0	0	0	0	6300

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
78.4	0	0.0	0.0	0.0	0.6	1.5	2.1	2.8	3.3	6	0.7



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA															MONTH - JAN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
4	1	1	1	1	1	1	1	1	2	3	3	4	0	0	0	0	0	0	0	0	0	2	3	2	1
5	1	1	2	3	2	3	1	0	0	2	5	5	2	1	4	2	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	2	1	0	2	3	1
7	2	3	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	5	3	3	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	1	1	1	2	3	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
14	0	1	3	3	3	2	2	1	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	3	2	2	1	1	1	1	1	1	1
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1
25	3	3	3	5	5	4	4	4	4	3	5	6	5	4	3	3	4	4	4	3	3	2	2	2	4
26	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	2	2	2	3	1
28	4	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
29	1	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	4	4	1	1	1	1	1	1	2
30	1	1	1	3	4	4	4	4	3	2	1	2	2	1	1	1	1	1	1	2	2	1	1	1	2
31	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0.6

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	2	1	1
2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	1	1	1
3	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2	2	3	3	4	4	3	3	2	3	2
4	4	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1
5	2	2	1	2	3	2	3	3	2	2	1	1	1	2	3	4	3	2	4	5	5	5	4	3	3
6	3	3	3	3	4	4	4	5	3	2	1	1	1	1	3	3	3	3	7	5	5	3	3	3	3
7	3	3	1	1	1	1	0	0	0	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1
8	1	1	2	2	3	4	4	3	4	4	4	4	3	2	2	2	2	1	1	2	1	2	3	6	3
9	6	6	5	4	3	3	3	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	1	1	2
10	1	1	1	1	2	4	6	6	6	6	3	3	2	1	8	7	3	2	2	1	2	2	1	3	3
11	3	3	5	5	4	4	3	4	5	5	4	3	4	0	0	2	2	2	3	3	0	0	0	0	2
12	1	1	1	1	1	1	1	1	1	2	2	2	0	0	0	0	0	0	1	1	0	0	0	1	1
13	1	1	1	1	1	1	2	2	1	1	3	2	2	2	1	1	1	1	2	2	3	3	3	3	2
14	3	2	2	2	3	3	4	4	4	3	2	1	1	1	0	0	0	0	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	1	1	3	3	2	2	2	1	1	1	1	1	1	1	1	1	0	1
16	0	1	1	2	1	1	1	0	1	1	2	2	1	0	0	1	1	1	1	1	1	1	1	1	2
17	2	2	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1
18	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	3	2	3	2	2	2	1	2	1	1	*****
20	1	1	1	1	1	1	2	4	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
21	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
23	1	1	1	1	1	1	1	1	4	3	2	2	2	2	1	1	2	2	2	2	3	3	2	3	2
24	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
25	0	1	1	1	1	0	1	1	1	1	0	0	2	1	1	0	0	0	1	1	0	0	0	1	1
26	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	1	1	2	1	0
27	1	1	1	2	1	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1
28	0	1	1	1	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	2	1	1
29	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	2	1	1	1	2	1	1	1	1
MEAN	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1.4

PERCENTAGE OF DATA VALID - 95.5

PERCENTAGE OF DATA INVALID - 4.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 46100		PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA												MONTH - MAR 80										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1
2	3	3	3	3	3	2	2	2	2	1	1	1	1	2	1	1	1	1	0	0	0	0	1	1	1
3	0	1	1	1	1	2	1	2	1	1	1	1	2	2	1	1	2	2	2	2	1	1	1	1	1
4	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
5	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	0	0	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	2	2	2	2
7	2	2	2	3	2	2	2	2	2	2	2	1	1	1	1	2	3	2	2	2	1	1	1	1	1
8	1	1	1	1	1	1	1	2	2	1	1	3	2	1	0	0	0	0	0	1	1	1	1	1	1
9	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1
10	2	2	1	1	2	2	2	3	3	2	2	3	3	3	3	3	3	3	2	2	2	2	1	0	2
11	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
12	1	1	1	1	1	1	1	1	1	3	3	2	2	1	5	9	1	3	2	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	1	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	2	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
16	2	3	3	2	1	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	1	2	3	3	1	1	1	2	0	1	0	0	1	1	1	1	1	0
18	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
19	1	1	1	1	1	1	1	1	2	2	1	1	1	1	3	2	2	2	3	1	1	1	1	0	2
20	1	1	1	1	1	1	1	3	3	5	4	3	5	5	3	2	2	2	2	2	1	1	1	1	0
21	1	1	1	1	1	0	0	0	0	0	0	2	2	2	2	2	1	1	2	2	2	2	2	1	1
22	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	2	2	2	2	2	1	1
23	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	1	0	0	0	1	1	0	0	1
26	0	0	0	1	1	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	0	0	1
27	1	2	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
28	0	0	0	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	2	1	2	3	2	1	1
29	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 46100		PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA												MONTH - APR 80										MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	7	5	1	2	2	2	1	1	1	1	2	2
3	2	2	2	3	2	2	2	2	2	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	0	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1
9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C
10	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	1	1	1	3	3	2	3	2	1	1	1	1	1	1	1	1	2	2	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	6	7	4	2	2	3	0	1	1	1	0	1	1	2
19	2	2	2	2	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	2	2	1	1	1	2	2	1
22	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	1
23	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	2	1	1	1	1	1	0	0	0	1
24	0	1	1	1	1	1	1	1	1	1	5	2	2	2	1	1	1	2	1	1	1	1	1	1	1
25	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA																MONTH - MAY 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	2	2	1	1	1
2	0	0	1	0	0	0	1	1	1	1	2	2	2	4	2	4	3	2	1	1	1	0	0	0	1
3	1	1	1	0	1	1	1	1	1	1	1	3	2	4	2	1	1	1	1	0	0	0	0	0	1
4	0	0	1	1	1	1	1	1	1	1	3	5	5	3	0	0	3	2	1	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	6	7	2	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	0	0	0	0	0	0	0	1	2	1	1	2	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	1	2	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	1	2	2	2	3	3	4	2	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	1	1	1	2	5	4	1	1	2	1	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	1	1	1	1	1	3	6	1	3	11	4	2	2	1	1	1	1	1	2
22	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
23	***	***	***	1	1	0	1	2	2	2	3	6	***	6	5	4	2	2	2	2	2	3	2	1	2
24	1	1	1	1	1	1	1	1	1	1	1	2	3	5	7	5	3	3	2	1	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1
28	1	1	0	0	1	0	1	2	3	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1
29	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	0
31	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA																MONTH - JUN 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	3	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	3	2	1	1	1	1
4	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	4	3	1	1	1	1	1	1	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1
8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
9	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	1	1	1	1
12	1	1	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	4	3	3	3	2	2	2
13	1	1	1	1	1	1	1	1	1	1	1	2	***	2	2	2	2	2	2	2	3	2	2	1	2
14	2	2	2	1	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2	1	1	1	1	1	2
15	***	***	***	***	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	1	2	1	1	2	2	5	3	2	2	2	1	1	0	0	0	0	0	0
17	0	0	0	0	0	1	1	1	2	3	1	2	2	2	1	1	2	2	1	1	0	0	0	0	1
18	1	1	1	1	1	2	1	1	2	3	1	2	2	2	1	1	2	2	1	3	2	2	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	2	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	2	1	3	2	2	3	6	3	2	2	2	1	2	2	1	1	2
23	1	1	1	1	1	1	1	1	1	1	1	2	3	4	2	3	2	2	2	2	2	2	2	2	2
24	1	1	1	1	1	1	2	2	2	3	3	3	3	4	4	2	2	2	3	2	2	2	3	3	3
25	4	3	2	1	1	1	2	2	3	4	2	3	3	2	1	2	3	2	2	1	1	1	1	1	1
26	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
27	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	0	1	0	1	1	1	1	1
28	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																									
STATION - C NO 46100		PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA												MONTH - JUL 80													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	2	1
2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	
3	3	1	1	1	1	1	1	1	1	5	5	3	---	1	2	0	4	1	1	1	2	1	1	1	1	2	
4	4	1	1	1	1	1	1	1	2	2	13	6	4	3	2	2	0	---	1	1	2	1	1	1	1	1	
5	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	---	0	0	0	0	0	0	1	0	
6	6	0	0	---	---	---	---	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	
7	7	0	0	1	1	1	1	1	2	1	1	1	1	1	3	1	2	0	1	2	2	0	0	0	0	1	
8	8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	1	0	0	0	1	1	
9	9	0	0	0	0	0	0	0	1	1	1	0	0	0	2	3	1	1	0	1	1	1	1	1	1	2	
10	10	1	1	1	1	1	1	1	2	2	3	4	5	5	2	2	2	2	4	3	3	2	2	1	1	2	
11	11	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
12	12	0	0	0	1	0	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	
13	13	0	0	0	0	0	0	0	0	1	3	3	2	1	2	2	2	2	2	6	2	2	2	2	2	3	
14	14	1	1	1	1	1	1	1	2	1	2	3	2	3	5	7	4	4	8	1	1	1	1	1	1	2	
15	15	2	2	1	2	2	1	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	
16	16	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	
17	17	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	
18	18	1	1	1	1	1	1	1	2	2	3	3	1	---	1	1	1	1	1	1	1	1	1	1	1	2	
19	19	1	1	1	1	1	1	2	2	2	2	3	2	2	3	3	2	2	1	1	1	1	1	1	1	1	
20	20	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	2	2	1	1	1	1	1	1	
21	21	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	1	0	0	0	1	
22	22	0	0	1	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	
23	23	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	
24	24	1	1	1	1	1	1	1	1	4	5	4	2	2	3	2	2	2	2	2	2	2	1	1	1	2	
25	25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	26	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
27	27	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	4	4	2	2	2	2	2	1	1	1	
28	28	0	1	1	1	0	1	1	1	1	1	1	1	1	1	2	4	4	2	4	1	1	1	1	1	1	
29	29	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	
30	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
31	31	1	1	1	1	1	0	1	1	1	1	1	1	0	4	2	1	1	1	1	1	1	1	1	1	1	
MEAN		1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1.2	

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																								
STATION - C NO 46100		PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA												MONTH - AUG 80												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	0	0	0	0	0	5	2	1	1	1	1	0	0	0	0	0	0	0	0	1
3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	0	0	0	0	0	0	1
4	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1
5	1	1	2	1	1	1	1	1	1	1	1	1	1	2	0	1	1	...	1	1	0	0	0	0	0	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
7	1	1	1	1	1	1	1	2	1	1	1	1	...	...	...	0	0	1	0	0	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	0	0	0	0	0	0	0	0	0	...	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	2	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	3	4	1	2	2	1	0	0	0	0	0
20	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	...	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4	3	1	1	1	1	1	0
23	1	2	2	2	2	2	2	2	1	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1
24	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	2	1	1	0	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	2	4	4	3	2	1	1	1	1	1	1	1	1	1	1
26	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
27	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	2	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1
MEAN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0
&lt;/



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA															MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	1	1	
2	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
3	1	1	1	1	0	0	0	0	0	0	0	2	2	***	6	2	1	0	1	1	0	0	1	1	1
4	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	3	4	3	4	2	2	2	2
5	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	1
7	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	12	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	2	1	1
9	1	1	1	1	1	1	1	1	2	3	3	2	2	2	1	1	0	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0
12	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	1	0	1	1	1	1
15	1	1	1	1	1	1	1	1	1	4	4	1	1	1	1	1	0	0	1	1	1	0	1	1	1
16	2	1	1	0	0	0	1	1	1	1	1	1	1	2	2	3	3	4	2	2	1	1	1	1	1
17	1	1	1	1	1	1	1	2	1	2	2	0	1	1	1	0	0	1	0	1	1	1	1	1	1
18	1	1	1	1	1	2	2	2	2	3	3	5	11	8	2	1	1	1	1	2	2	2	3	2	2
19	2	2	2	2	2	2	2	2	2	2	1	***	0	0	1	0	0	0	0	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
28	1	1	1	1	1	0	0	0	0	0	0	1	2	4	4	4	2	1	1	1	0	1	0	0	1
29	0	1	1	0	0	0	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	1	0	0	1	1	1	2	2	3	***	3	2	1	2	1	2	2	2	1	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA															MONTH - OCT 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	0	1	1	1	2	1	2	2	1	1	1	1	2	1	1	1	1	2	2	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
5	0	1	1	1	0	0	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1
6	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	1	0
7	0	0	0	0	1	1	1	1	1	3	5	2	3	1	1	1	1	2	1	1	1	1	1	1	1
8	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0
9	0	0	0	0	0	0	1	1	0	3	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	1	1	1	1	0	0	1	2	2	1	1	1	0	1	1	1	1	1	0
13	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
14	0	0	1	1	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
22	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0
28	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
29	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
30	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	1
MEAN	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.4

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD MISSISSAUGA															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	****	1	1	0	
2	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	2	3	1	
3	1	0	0	0	0	1	1	1	1	2	2	4	3	3	3	1	1	1	1	1	2	***	2	4	2	
4	2	2	1	0	0	1	1	0	0	0	1	1	***	1	1	1	0	1	1	1	1	***	***	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	***	***	0	1	
6	0	1	2	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	***	***	1	1	
7	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	***	***	0	1	
8	0	0	0	0	0	0	0	0	0	0	2	2	1	2	1	0	0	0	0	0	0	***	***	0	0	
9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	***	***	0	1	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	2	1	1	1	0	1	1	1	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	4	2	1	1	
13	1	1	1	1	0	0	0	1	1	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	
14	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	
15	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	
16	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	
17	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	1	1	
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	1	1	0	1	1	0	0	1	0	
20	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1	2	2	2	1	
21	2	3	4	3	3	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1	1	1	2	3	4	3	4	4	5	5	4	3	3	4	3	3	2	1	2	2	2	2	2	3	
24	2	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	
25	0	1	1	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	1	1	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	
27	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	
29	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	0	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0.6	

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - C NO 46100					PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA										MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
4	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	2	2	2	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	2	2	2	3	1	0	0	0	0	0	0	0	0	0	2	3	2	2	1	
6	2	2	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	
7	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
8	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	1	1	1	1	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	
12	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	1	1	2	1	2	2	1	1	0	0	0	1	1	2	2	2	2	3	2	2	2	2	2	1	
16	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	2	3	4	4	2	2	1	1	3	3	3	3	3	1	
18	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	1	1	1	1	1	1	1	2	2	3	2	3	3	2	1	1	1	3	1	1	2	3	2	2	
23	4	5	5	5	6	6	6	6	6	4	4	3	3	3	3	3	3	2	2	2	2	2	3	4	1	
24	3	3	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1	1	0	0	
26	0	0	0	0	1	2	2	2	1	2	2	2	2	2	2	2	1	2	1	1	1	2	2	1	0	
27	2	2	2	2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	
28	1	1	1	1	1	1	2	3	3	4	5	5	3	4	4	4	3	3	4	3	4	4	4	4	3	
29	5	4	4	4	4	4	4	4	4	3	4	3	2	2	2	1	1	1	1	1	1	1	1	1	2	
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	4	6
FEB	27	1.4	3	8
MAR	31	1.0	2	9
APR	30	0.8	2	7
MAY	31	0.7	2	11
JUN	30	1.0	2	6
JUL	31	1.2	3	13
AUG	31	0.8	1	5
SEP	30	0.8	2	12
OCT	31	0.4	1	5
NOV	30	0.6	3	5
DEC	31	0.8	4	6
YEAR	364	0.9	4	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	740	2	0	0	0	0	0	0	0	0	742
FEB	655	10	0	0	0	0	0	0	0	0	665
MAR	738	1	0	0	0	0	0	0	0	0	739
APR	712	3	0	0	0	0	0	0	0	0	715
MAY	729	8	1	0	0	0	0	0	0	0	738
JUN	709	1	0	0	0	0	0	0	0	0	710
JUL	727	4	1	0	0	0	0	0	0	0	732
AUG	739	0	0	0	0	0	0	0	0	0	739
SEP	712	2	2	0	0	0	0	0	0	0	716
OCT	711	0	0	0	0	0	0	0	0	0	711
NOV	704	0	0	0	0	0	0	0	0	0	704
DEC	738	5	0	0	0	0	0	0	0	0	743
YEAR	8614	36	4	0	0	0	0	0	0	0	8654

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.5	0	0.0	0.0	0.2	0.7	1.6	2.2	3.3	4.1	13	0.9



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	2	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	2	2	2	2	2	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	2	2	3	3	2	2	2	1	1	1	1	2	2	2	1	1	1	2	1	1	1	1	1
20	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	4	3	2	1
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	
2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	
3	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	1	0	0	0	1	1	
4	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	
5	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	2	1	1	
8	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	
13	1	1	0	0	0	0	1	1	13	21	12	0	1	6	7	2	0	0	0	0	0	0	0	0	0	3
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	
20	0	0	0	0	0	0	1	2	2	4	3	2	2	2	2	1	1	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	2	1	0	0	0	0	0	
27	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	2	1	1	1	0	0	0	0	0	
28	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - APR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	2	2	1	0	0	2	2	1	0	0	0	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0
3	1	1	1	1	1	1	1	2	3	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	2	4	4	3	2	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	0	0	0	0	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1
20	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
22	1	1	1	1	1	1	1	2	2	4	7	2	1	1	1	1	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
24	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION														
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA													MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	DATA INVALID													0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	DATA INVALID													0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0		
16	0	0	0	0	0	0	0	0	5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0		
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	5	1	0	0	0	0	0	0		
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	0	0	0	0	0	0	0	1	1	1	1	2	6	2	1	1	1	1	1	1	0	0	0	0	1		
24	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	3	1	1	1	1	1	1	1	0	0		
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1		
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
28	1	1	1	1	1	1	1	1	1	5	3	2	0	0	0	1	2	2	2	2	2	0	0	1	1		
29	2	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1		
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.3		

PERCENTAGE OF DATA VALID - 91.8 PERCENTAGE OF DATA INVALID - 8.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - JUN 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN												
1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1												
2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1												
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1												
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	1												
5	0	0	0	0	0	0	0	0	2	1	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1												
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1												
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1												
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0												
12	1	1	1	1	1	1	1	2	2	2	2	2	1	0	0	0	0	0	1	2	2	1	1	1	1												
13	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
14	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0												
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0												
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
17	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0												
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
19	0	0	0	0	0	0	1	0	0	1	1	5	11	18	16	10	3	2	1	2	0	0	0	0	3												
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
22	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	0	0	0	0	1	1	0	1	1												
23	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	1	1	1												
24	1	1	0	0	0	1	1	1	2	2	2	3	5	6	2	2	2	2	2	2	2	1	1	2	2												
25	2	2	2	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	0	1												
26	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1												
27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0.6												
PERCENTAGE OF DATA VALID - 99.3														PERCENTAGE OF DATA INVALID - 0.7												PERCENTAGE OF DATA UNAVAILABLE - 0.0											

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA										MONTH - NOV. 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
3	0	0	0	1	0	0	0	0	0	1	1	2	1	1	3	2	1	1	1	2	2	2	2	2	1
4	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	2	2	2	1
13	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1
18	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	2	3	4	3	3	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
22	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	1	2	3	5	3	3	3	3	3	3	2	2	1	1	1	1	2
24	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28															- DATA INVALID -										
29															- DATA INVALID -										
30															- DATA INVALID -										
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA INVALID - 17.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.      \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.04 PARTS/MILLION																	
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - DEC 80																	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1													- DATA INVALID -																
2													- DATA INVALID -																
3	-----												1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	-----
4	0	0	0	1	1	0	0	0	0	0	0	2	5	2	2	1	0	0	0	0	1	1	0	0	1				
5	0	0	0	0	0	0	1	1	1	1	1	2	3	4	7	8	3	0	1	2	2	2	1	2	2				
6	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1				
7	1	1	1	1	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1				
9	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	3	1	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0				
11	1	1	1	2	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1				
12	1	1	1	1	1	1	1	1	1	1	2	2	1	2	3	2	2	1	1	1	1	1	0	1	1				
13	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0				
15	0	0	0	1	1	1	1	1	1	0	0	0	1	1	3	4	3	3	2	2	2	2	2	2	1				
16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
17	0	0	0	0	0	0	0	0	0	0	0	0	1	5	5	1	1	0	2	2	2	2	2	2	1				
18	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1				
19	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
22	1	1	1	1	1	1	1	1	1	1	2	3	2	3	4	2	1	1	1	1	1	1	2	2	2				
23	3	3	4	5	5	6	6	6	4	4	3	3	3	3	3	3	3	2	2	2	2	2	2	3	5				
24	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
25	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
26	1	1	1	1	2	2	2	2	1	1	3	3	3	2	2	2	2	2	2	3	2	2	2	2	2				
27	3	3	2	2	2	2	3	3	2	3	3	4	2	2	2	2	2	2	2	3	2	2	3	3	2				
28	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	4	4	4	5	5	5	5	5	6	4				
29	6	6	6	6	6	6	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	4				
30	2	3	3	3	3	2	3	3	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1				
31	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0				
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1.1				

PERCENTAGE OF DATA INVALID - 8.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.      \*\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.4	1	11
FEB	29	0.3	2	4
MAR	31	0.4	3	21
APR	30	0.5	1	12
MAY	28	0.3	2	6
JUN	30	0.6	3	18
JUL	30	0.3	1	5
AUG	23	0.3	3	40
SEP	29	0.6	2	4
OCT	20	0.3	1	25
NOV	25	0.3	2	5
DEC	28	1.2	4	8
YEAR	334	0.5	4	40

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	735	0	1	0	0	0	0	0	736
FEB	688	0	0	0	0	0	0	0	688
MAR	738	2	2	0	1	0	0	0	743
APR	713	1	1	0	0	0	0	0	715
MAY	682	1	0	0	0	0	0	0	683
JUN	710	2	1	2	0	0	0	0	715
JUL	712	0	0	0	0	0	0	0	712
AUG	536	3	1	1	0	0	1	0	542
SEP	699	0	0	0	0	0	0	0	699
OCT	498	0	1	2	1	0	0	0	502
NOV	596	0	0	0	0	0	0	0	596
DEC	668	12	0	0	0	0	0	0	680
YEAR	7975	21	7	5	2	0	1	0	8011

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.2	0	0.0	0.0	0.0	0.1	0.9	1.5	2.4	3.5	40	0.5







POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION																									
STATION - C NO 47041													FED MANPOWER BLDG 48 OWEN ST. BARRIE													MONTH - MAR 80												
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN													
DAY																																						
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	0													
2	3	3	3	2	3	2	2	3	3	3	1	0	0	1	1	1	1	1	1	0	0	0	0	0	1													
3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1													
4	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	1	1	1	1	1	2													
5	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1	0	0	0	0	0	0	0	0	0	1													
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1													
7	1	1	1	1	1	1	1	1	1	1	1	1	2																									
8													- DATA	INVALID -																								
9													- DATA	INVALID -																								
10													- DATA	INVALID -																								
11																				0	0	0	1	1	*****													
12	1	1	1	1	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1													
13																																						
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0													
15	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1													
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0													
22	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1													
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0													
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
28	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1													
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
MEAN	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4													

PERCENTAGE OF DATA VALID - 81.5

PERCENTAGE OF DATA INVALID - 18.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION																						
STATION - C NO 47041										FED MANPOWER BLDG 48 OWEN ST. BARRIE					MONTH - APR 80																	
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN							
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	2	2	0							
3	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
4	0	0	0	0	0	0	-----																	0								
5																		- DATA INVALID -														
6																		- DATA INVALID -														
7																		- DATA INVALID -														
8																		- DATA INVALID -														
9	-----																	-----							1	1	1	1	1	1	1	-----
10	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1							
11	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0							
12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0							
13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0							
14	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0							
16	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0							
17	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1							
18	0	0	1	0	0	0	0	0	0	0	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1							
19	0	0	1	1	1	1	1	1	0	0	0	1	1	1	3	2	1	1	1	1	1	1	1	1	0							
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	2	2	1	1	1	1	1							
22	1	1	2	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0							
23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0							
25	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	5	1	1	1	1	1	0	0	0	1							
26	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0							
27	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0							
28	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0							
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0							
30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0							
MEAN	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0.3							

PERCENTAGE OF DATA VALID - 81.4

PERCENTAGE OF DATA INVALID - 18.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE												MONTH - MAY 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
2	0	0	2	0	0	0	1	1	2	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
5	0	0	1	1	1	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1
6	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
8	0	0	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1
9	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
10	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1
11	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1
12	0	0	1	1	1	0	1	1	0	0	0	1	1	2	2	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	4	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0
18	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	1	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	1	2	2	2	1	2	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE												MONTH - JUN 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14	*****	*****	*****	*****	*****	*****	*****	*****	*****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21																								
22																								
23																								
24																								
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1	0	0	0	0	0	0	0	0	0	0	0	0	*****
26	0	0	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 38.5

PERCENTAGE OF DATA INVALID - 61.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47041

FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	1	1	1	1
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 70.8

PERCENTAGE OF DATA INVALID - 29.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47041

FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
15	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47C41

FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	2	2	4	4	2	2	1	1	1
13	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
15	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	0	0	0	0	0
16	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
19	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
21	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
23	1	1	1	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 58.5

PERCENTAGE OF DATA INVALID - 20.1

PERCENTAGE OF DATA UNAVAILABLE - 21.4

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47041

FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	0.5	1	8
FEB	12	0.6	2	4
MAR	24	0.4	2	3
APR	24	0.3	1	5
MAY	30	0.3	1	4
JUN	10	0.1	0	2
JUL	31	0.3	1	2
AUG	29	0.2	1	2
SEP	21	0.1	1	3
OCT	30	0.2	1	2
NOV	17	0.4	1	4
YEAR	254	0.3	2	8



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	TOTAL
JAN	644	1	0	0	0	0	0	0	0	0	0	645
FEB	296	0	0	0	0	0	0	0	0	0	0	296
MAR	606	0	0	0	0	0	0	0	0	0	0	606
APR	586	0	0	0	0	0	0	0	0	0	0	586
MAY	729	0	0	0	0	0	0	0	0	0	0	729
JUN	277	0	0	0	0	0	0	0	0	0	0	277
JUL	741	0	0	0	0	0	0	0	0	0	0	741
AUG	692	0	0	0	0	0	0	0	0	0	0	692
SEP	510	0	0	0	0	0	0	0	0	0	0	510
OCT	727	0	0	0	0	0	0	0	0	0	0	727
NOV	421	0	0	0	0	0	0	0	0	0	0	421
YEAR	6229	1	0	0	0	0	0	0	0	0	0	6230

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	WITH MEAN
77.5	0	0.0	0.0	0.0	0.0	0.7	0.9	1.5	1.9	8	0.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
6	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																0	0	0	0	0	0	0	0	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	3	3	2	3	5	2	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0														
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 35.5

PERCENTAGE OF DATA INVALID - 64.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	3	2	2	1	1	1	2
6	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	1
9	0	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	3	3	1	1	2	1	1	1	1	0	0	0	0	0	1
11	0	0	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0.4

PERCENTAGE OF DATA VALID - 88.4

PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 3.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION														
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0			
2	2	2	2	2	2	2	2	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1			
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	DATA INVALID																											
6	DATA INVALID																											
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	2	2	1	1			
8	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0			
9	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1			
10	1	1	1	2	1	1	1	2	2	1	4	5	5	4	3	3	3	3	3	2	2	1	0	0	2			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	1	1	1	1	1	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0			
15	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1			
16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0			
20	0	0	1	2	1	1	0	1	1	2	4	3	3	2	2	1	1	1	1	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0			
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
27	DATA INVALID																											
28	DATA INVALID																											
29	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0.4			

PERCENTAGE OF DATA VALID - 87.6

PERCENTAGE OF DATA INVALID - 12.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE																MONTH - APR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	2	2	0	1	2	2	1
3	2	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1
8	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0
10	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
17	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0
18	1	1	1	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1
19	0	0	0	1	1	1	1	0	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	0
20	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0
21	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
22	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	0	1	1	1	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE																MONTH - MAY 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
3	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
4	0	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
11	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	4	2	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
25	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	3	1	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	2	2	1	1	1	0	1	1	1	1	1	0	0	0	0	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS MILLION																							
STATION - C NO 48002		TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE												MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 48002		TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0
2	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	2	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 59.7 PERCENTAGE OF DATA INVALID - 38.7 PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002

TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE

MONTH - AUG 80

[illegible]

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002

TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE

MONTH - SEP 80

[illegible]

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



PERCENTAGE OF DATA VALID - 80.9      PERCENTAGE OF DATA INVALID - 19.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. -\*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*\* INDICATES DATA IS UNAVAILABLE

3. -\*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 95.3      PERCENTAGE OF DATA INVALID - 4.7      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*\* INDICATES DATA IS UNAVAILABLE

3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STCUFFVILLE														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
16	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2	2	3	5	1	2	5	4	1
18	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	2	1	1	2	2	1	1	1	1	1
23	1	1	2	3	5	8	8	7	7	7	6	4	3	3	3	2	2	2	2	2	2	2	2	2	4
24	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
26	0	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	2	2	2	3	5	6	3	3	3	2	2	2	2	3	3	3	3	2
29	3	3	3	2	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2
30	2	2	1	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0.7

PERCENTAGE OF DATA VALID - 67.2

PERCENTAGE OF DATA INVALID - 32.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "1" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STCUFFVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	10	0.2	1	5
FEB	24	0.4	2	4
MAR	26	0.4	2	5
APR	30	0.3	1	3
MAY	31	0.2	1	7
JUN	30	0.5	3	9
JUL	18	0.5	2	7
AUG	31	0.2	1	2
SEP	30	0.0	1	3
OCT	24	0.0	0	1
NOV	28	0.3	2	5
DEC	20	0.7	4	8
YEAR	302	0.3	4	9



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002

TRAILER/MTC YARD 49 HWY 47, STOUFFVILLE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 45	50 & OVER	TOTAL
JAN	264	0	0	0	0	0	0	0	264
FEB	615	0	0	0	0	0	0	0	615
MAR	652	0	0	0	0	0	0	0	652
APR	717	0	0	0	0	0	0	0	717
MAY	742	1	0	0	0	0	0	0	743
JUN	715	3	0	0	0	0	0	0	718
JUL	441	3	0	0	0	0	0	0	444
AUG	741	0	0	0	0	0	0	0	741
SEP	719	0	0	0	0	0	0	0	719
OCT	602	0	0	0	0	0	0	0	602
NOV	686	0	0	0	0	0	0	0	686
DEC	493	7	0	0	0	0	0	0	500
YEAR	7387	14	0	0	0	0	0	0	7401

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84.3	0	0.0	0.0	0.0	0.0	0.7	1.0	1.8	2.6	9	0.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1
15	2	2	1	1	1	1	1	1	1	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	1
16	1	0	0	0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	2	3	4	4	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1
20	8	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1
21	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1
22	0	1	3	4	3	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	1	1	1	1	1	2	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	1	3	3	3	4	6	7	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1
26	1	2	1	1	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
27	1	1	0	0	0	0	0	0	2	3	2	1	1	1	1	1	0	0	1	1	1	0	0	0	1
28	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1
29	0	1	1	1	1	2	3	2	4	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
31	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0
MEAN	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																		
STATION - SE NO 51001											MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - FEB 80			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	2	2	1				
3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0				
4	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0				
5	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	1	1	2	1	...	1	2	6	3	1	1	1	2	1	1	2	1	2	1				
7	3	3	3	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1	1	2	0	1	1	0				
8	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0				
9	0	0	0	1	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	1	1	1	1	0	0				
10	0	0	1	0	1	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	1	1	1	1				
11	1	1	2	2	2	2	2	3	4	6	7	5	2	2	2	1	1	1	1	1	2	2	2	2	2				
12	2	2	1	1	1	1	1	1	3	2	2	2	2	2	2	4	3	2	2	2	2	1	1	1	2				
13	1	1	0	0	0	0	0	2	3	...	...	2	0	0	0	0	0	0	0	0	1	1	0	0	0				
14	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	0	0	0	1	0	0	0	0	0	1				
15	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	...	0	0	...	1	0	0	...	0	0				
16	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	1	1	1	0	0	0	0				
17	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0				
18	1	0	1	1	0	0	0	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1				
19	1	1	2	2	2	2	3	3	2	2	3	3	3	3	3	2	...	...	2	2	2	2	2	2	2				
20	2	2	2	2	2	2	2	2	2	2	...	1	1	1	1	1	1	2	2	2	2	3	3	3	2				
21	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	0				
23	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	1	1	0	0	0	1	2	2	2	1				
24	2	1	1	1	0	0	0	0	1	1	1	1	3	2	1	0	0	0	0	0	0	0	0	0	1				
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	2	4	4	3	1				
27	4	2	2	2	2	1	...	1	1	1	0	1	1	2	1	2	1	1	1	1	1	2	1	1	1				
28	1	1	1	1	1	1	1	2	1	1	...	...	...	...	...	0	0	0	0	0	0	0	0	0	0				
29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0				
MEAN	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7				

PERCENTAGE OF DATA VALID - 97.4      PERCENTAGE OF DATA INVALID - 2.3      PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION															
STATION - SE NO 51001												MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA												MONTH - MAR 80			
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	2	2	0	
2		2	1	1	0	0	0	1	3	2	1	4	3	1	1	1	2	1	1	2	2	1	1	3	5	2	
3		3	3	3	3	4	4	5	8	8	7	6	4	2	1	0	0	0	1	1	1	1	1	1	1	3	
4		1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5		2	2	2	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	1	1	
6		0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7		0	0	0	0	0	0	0	0	2	2	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	
8		1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	
9		2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10		1	1	1	1	2	2	1	2	1	1	1	2	2	2	2	1	2	2	1	2	1	0	0	0	1	
11		0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	
12		1	1	1	1	1	1	1	1	1	1	0	0	0	0	2	0	0	0	0	0	0	0	1	1	1	
13		1	2	2	2	2	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
14		1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16																											
17																											
18		DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	
19		0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	1	0	1	1	1	1	0	0	
20		0	0	0	1	1	1	0	0	1	2	2	2	1	1	1	1	0	0	0	0	1	0	1	1	1	
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23		0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26		0	0	0	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
27		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	
28		0	0	0	0	0	1	1	4	7	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
29		1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
30		0	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31		0	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN		1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	1	0	0	1	1	0.7	

PERCENTAGE OF DATA VALID - 88.2      PERCENTAGE OF DATA INVALID - 11.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS MILLION															
STATION - SE NO 51001										MCDONALD GDM RIDEAU/WURTEMBERG ST.OTTAWA										MONTH - APR 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	3	2	1	1	1	1	1	0	0	0	1	1	2	1	1	2	1
2	1	1	1	1	1	1	1	2	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 95.3 PERCENTAGE OF DATA INVALID - 3.9 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - SE NO 51001										MCDONALD GDM RIDEAU/WURTEMBERG ST.OTTAWA										MONTH - MAY 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1
7	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1
10	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
17	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA												MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 90.4

PERCENTAGE OF DATA INVALID - 8.5

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBURG ST.OTTAWA												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY</



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																									
STATION - SE NO 51001												MCDONALD GON RIDEAU/WURTEMBERG ST. OTTAWA													MONTH - OCT 80												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					
13																																					
14																																					
15																																					
16																																					
17		0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1											
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0											
20		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1											
21		2	1	1	1	1	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1											
22		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0											
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
24		0	0	0	0	0	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
25		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1											
26		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
27		1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
28		1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1											
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
31		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
MEAN		1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0.6											

PERCENTAGE OF DATA VALID - 48.1

PERCENTAGE OF DATA INVALID - 51.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																		
STATION - SE NO 51001											MCDONALD GON RIDEAU/WURTEMBERG ST. OTTAWA															MONTH - NOV 80			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2				
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0				
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
17	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
18	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
23	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1				
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	0				
30	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0				
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1				

PERCENTAGE OF DATA VALID - 93.6

PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																	
STATION - SE NO 51001											MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA														MONTH - AUG 80			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																	
STATION - SE NO 51001												MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA														MONTH - SEP 80			
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
8	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
9	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
15																													
16																													
17																													
18																													
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23																													
24																													
25																													
26																													
27																													
28																													
29																													
30																													
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1				

PERCENTAGE OF DATA VALID - 45.8 PERCENTAGE OF DATA INVALID - 54.0 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION																
STATION - SE NO 51001										MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA																
MONTH - DEC 80																										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0
2		1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	1	1	1	2	2	3	4	5	2	2	2	1	1	0	0	0	1	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11		0	0	0	0	0	0	0	0	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
12		1	1	1	2	2	2	3	3	4	3	2	3	1	1	1	1	1	2	2	2	2	2	2	2	2
13		1	2	2	3	4	4	3	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
14		2	2	2	1	1	1	1	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		2	3	2	2	3	3	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
16		1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	2	2	2	1	1	1	1	1	1	1
18		0	0	1	1	2	1	2	3	2	1	1	0	0	0	0	1	2	4	6	5	5	5	5	5	5
19		2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
20		0	0	1	1	2	1	2	2	2	3	3	2	1	1	0	1	1	1	1	1	1	1	1	1	1
21		6	6	5	3	2	2	3	2	3	4	3	1	1	0	1	1	1	1	1	1	1	2	1	1	2
22		2	1	4	4	3	3	3	4	4	3	3	3	3	3	2	2	1	1	1	1	2	2	2	2	2
23		2	2	2	2	2	2	3	3	3	4	9	4	4	4	3	3	3	3	3	3	4	3	4	5	6
24		5	4	4	3	3	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	2	2
26		3	2	2	2	1	1	2	2	2	2	2	2	2	2	3	3	1	1	1	1	1	1	2	2	2
27		2	3	2	1	0	0	0	0	0	1	0	1	0	2	4	4	2	2	2	2	4	3	2	2	1
28		1	2	2	2	2	2	3	3	2	3	4	4	4	4	3	2	2	2	2	3	3	3	3	4	3
29		5	4	6	9	7	6	5	5	6	6	5	7	4	3	3	2	2	2	2	2	1	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	1	1	1	1	1	2	0	0	1	1	1	1	1	1	1	1	1
MEAN		1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 2.2 PERCENTAGE OF DATA UNAVAILABLE - 1.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION		
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	2	8
FEB	29	0.7	2	7
MAR	27	0.7	3	8
APR	29	0.1	1	3
MAY	31	0.2	1	2
JUN	30	0.1	1	3
JUL	30	0.1	1	6
AUG	31	0.1	1	2
SEP	14	0.1	1	3
OCT	15	0.6	1	3
NOV	28	0.1	1	4
DEC	31	1.1	4	9
YEAR	326	0.4	4	9



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1960

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST, OTTAWA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	722	3	0	0	0	0	0	0	0	0	725
FEB	675	3	0	0	0	0	0	0	0	0	678
MAR	651	5	0	0	0	0	0	0	0	0	656
APR	686	0	0	0	0	0	0	0	0	0	686
MAY	726	0	0	0	0	0	0	0	0	0	726
JUN	651	0	0	0	0	0	0	0	0	0	651
JUL	710	3	0	0	0	0	0	0	0	0	713
AUG	732	0	0	0	0	0	0	0	0	0	732
SEP	330	0	0	0	0	0	0	0	0	0	330
OCT	358	0	0	0	0	0	0	0	0	0	358
NOV	674	0	0	0	0	0	0	0	0	0	674
DEC	704	12	0	0	0	0	0	0	0	0	716
YEAR	7619	26	0	0	0	0	0	0	0	0	7645

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
87.0	0	0.0	0.0	0.0	0.0	0.8	1.5	2.4	3.3	9	0.4

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG, HAWKESBURY

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	2	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	4	3	3	1	2	2	0	0	0	0	0	0	0	0	0	5	1	1
17	2	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	5	4	3	3	2	2	3	5	3	2	1	0	0	0	0	0	0
22	0	0	0	0	0	0	1	3	4	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
28	0	0	0	0	22	21	8	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 55.0

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 43.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG. HAWKESBURY															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	5	6	2	1	1	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	2	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
6	0	0	0	0	0	3	6	5	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	7	18	12	5	2	4	2	1	5	1	1	0	0	1	1	0	0	0	0	0	3
10	0	0	0	0	0	0	1	2	3	4	2	1	2	5	5	4	1	0	1	0	0	0	4	2	2
11	1	2	1	6	1	1	2	1	2	1	2	3	3	2	1	1	1	2	1	0	0	0	0	0	1
12	0	0	0	0	0	1	5	8	5	3	3	2	2	3	3	3	1	1	0	0	0	2	1	1	2
13	2	11	7	8	2	6	9	4	3	3	1	1	1	0	0	0	0	0	0	0	0	1	2	2	3
14	1	12	1	0	0	5	8	4	4	4	4	4	3	5	4	3	2	0	0	0	1	0	0	0	3
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	0	0	0	9	11	11	4	2	1	1	1	3	4	2	0	0	0	0	0	0	0	0	2
18	2	15	15	2	1	1	2	7	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0
22	0	0	0	0	0	0	5	6	3	2	3	1	2	2	2	3	2	8	2	1	0	1	0	0	2
23	0	0	0	0	0	11	1	6	7	4	1	3	1	0	1	1	0	0	0	0	0	3	4	2	2
24	0	0	0	0	0	0	0	4	6	3	1	3	1	0	1	9	13	11	8	10	2	0	0	1	3
25	0	0	0	0	0	1	4	1	4	6	4	4	2	2	3	18	1	0	0	0	2	1	0	0	2
26	0	0	0	0	0	0	1	1	0	0	1	3	1	4	3	5	4	1	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	8	4	2	2	1	1	0	0	0	0	0	0	1	1	3	1	0	1	15	29	7	1	3
29	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	1	1	2	3	3	2	1	1	1	1	1	1	2	1	1	1	0	1	1	1	0	1.1

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG. HAWKESBURY															MONTH - JUL 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	****	0	1	6	5	5	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	11	9	****	6	2	1	1	1	2	7	4	5	2	0	0	4	4	6	0	3
4	1	1	1	0	0	8	14	****	5	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	3	2	29	18	2
7	5	13	9	5	9	6	3	****	0	0	1	2	2	6	3	5	4	5	1	0	0	0	6	23	5
8	4	5	3	3	1	0	0	****	2	2	1	1	10	5	2	1	0	0	0	0	0	0	0	0	2
9	0	0	0	0	0	1	1	****	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	****	1	2	5	2	-	0	0	0	2	1	0	0	0	1	1	0	1
11	0	0	0	0	1	2	****	1	0	0	6	6	1	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	1	3	****	0	0	0	0	0	0	0	0	0	0	0	1	0	3	1	0	1	1
14	0	0	0	0	0	7	5	****	5	1	2	4	3	2	1	0	0	0	0	1	3	2	2	1	2
15	0	0	0	0	0	0	****	0	0	0	1	1	2	1	0	0	1	0	0	1	1	1	1	0	0
16	0	1	1	0	0	0	****	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	****	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	6	****	1	0	0	0	1	2	0	1	2	0	0	1	1	0	0	0	1	1
19	0	0	0	0	0	1	****	0	0	0	2	1	0	0	0	0	1	1	1	1	0	0	0	0	0
20	0	0	0	0	0	0	****	2	2	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	****	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	****	0	1	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	****	2	0	1	1	1	1	0	1	4	4	0	1	1	2	1	0	0	1
25	0	0	0	0	0	1	****	2	3	4	1	2	2	4	6	4	1	0	0	1	0	0	0	0	2
26	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	****	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	****	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0
29	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	****	1	0	0	1	5	3	3	2	1	1	5	0	1	0	0	0	0	1
31	- DATA INVALID -																								
MEAN	0	1	0	0	1	2	3	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	2	2	0.8

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG. HAWKESBURY																MONTH - AUG 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	3	0	1	2	0	0	0	1
11	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	4	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	26	12	2	1	2	1	1	1	2	5	3	0	0	2	0	0	0	3
24	4	1	2	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1
25	3	1	0	0	0	0	0	2	1	1	1	2	2	1	1	0	1	1	1	1	2	1	9	2	1
26	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	3	10	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.4

PERCENTAGE OF DATA VALID - 75.9 PERCENTAGE OF DATA INVALID - 24.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG. HAWKESBURY																MONTH - SEP 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2																									
3																									
4																									
5																									
6	0	0	0	0	0	0	1	3	2	2	3	3	2	0	0	3	3	1	0	0	0	1	1	1	1
7	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	4	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	5	3	4	2	5	1	2	0	0	2
10	0	0	0	1	0	0	4	4	1	1	1	1	1	1	3	5	3	4	2	5	1	2	0	0	2
11	1	7	1	0	1	2	1	4	1	6	6	8	9	4	7	0	0	0	0	0	0	0	0	0	3
12	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23																									
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	0	0	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 80.7 PERCENTAGE OF DATA INVALID - 7.6 PERCENTAGE OF DATA UNAVAILABLE - 11.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51037					CONFEDERATE PK INFO CTR BLDG. HAWKESBURY										MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9																										
10																										
11																										
12																										
13																										
14																										
15	0	0	1	1	5	2	9	18	28	8	1	1	3	2	1	1	1	1	0	0	0	0	0	0	0	
16	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	2	2	1	3	2	3	2	1	1	1	
17	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	1	6	2	3	6	0	0	0	1	3	1	1	2	1	
19	1	0	0	0	0	0	2	2	1	0	0	0	0	0	0	10	11	6	1	0	0	0	0	0	0	
20	2	1	1	1	0	0	0	2	7	5	1	0	0	0	0	1	6	3	2	10	1	0	2	1	2	
21	4	1	0	1	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	1	6	3	51	48	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	2	3	3	2	7	1	7	1	0	0	0	0	0	0	0	0	0	0	0	8	9	6	1	2	2	
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	1	1	0	8	11	10	6	4	2	1	1	1	0	0	0	1	3	0	2	
27	0	0	0	0	0	3	1	1	3	3	1	2	2	0	2	1	2	4	0	0	0	1	1	1	1	
28	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	2	1	0	0	1	1	
29	0	0	1	4	4	1	1	1	3	0	0	0	2	5	6	1	2	6	9	1	8	1	2	3	3	
30	1	0	3	4	2	1	5	5	0	3	2	1	1	0	0	0	0	0	0	0	0	0	1	0	1	
31																										
MEAN	1	0	0	1	1	1	1	4	10	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	

PERCENTAGE OF DATA VALID - 71.6

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 26.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG. HAWKESBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN				DATA UNAVAILABLE
FEB				DATA UNAVAILABLE
MAR				DATA UNAVAILABLE
APR				DATA UNAVAILABLE
MAY	17	0.5	2	22
JUN	30	1.1	3	29
JUL	30	0.8	5	29
AUG	24	0.4	3	26
SEP	24	0.4	3	9
OCT	22	1.2	5	51
YEAR	147	0.8	5	51



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51037 CONFEDERATE PK INFO CTR BLDG. HAWKSBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	405	1	1	0	2	0	0	0	409
JUN	672	24	11	2	0	1	0	0	710
JUL	662	17	3	1	1	1	0	0	685
AUG	559	4	1	0	0	1	0	0	565
SEP	570	11	0	0	0	0	0	0	581
OCT	502	24	3	1	0	1	1	1	533
YEAR	3370	81	19	4	3	4	1	1	3483

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
78.9	0	0.0	0.0	0.0	0.0	1.7	3.6	6.8	9.5	51	0.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51038 GEN HOSPITAL 342 MCGILL HAWKSBURY

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																	33	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0
8	0	0	3	6	4	20	19	26	12	9	20	13	8	6	0	4	4	12	8	4	6	6	1	0	8
9	0	0	0	1	1	2	2	2	3	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	4	4	18	1
11	15	8	11	0	5	10	13	18	11	40	15	16	10	12	9	24	11	13	7	15	11	9	15	13	13
12	14	13	15	10	24	22	18	5	2	13	7	10	23	6	3	2	4	0	0	0	0	0	2	1	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
14	0	0	0	0	0	0	0	0	0	2	17	7	25	16	22	5	11	13	0	0	0	0	0	0	5
15	0	0	0	0	0	0	0	0	0	8	2	1	1	0	1	0	0	1	4	21	12	0	0	0	2
16	0	0	0	0	4	19	12	20	5	1	7	3	4	2	1	5	6	1	0	0	0	0	0	0	4
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0
18	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	8	5	6	6	15	1	8
19	33	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	2
20	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	3	1	1	1
21	0	0	1	1	1	1	1	0	0	1	1	0	0	1	1	2	1	1	0	0	0	0	1	0	1
22	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	1	1	0	4	3	5	3	2	1	1	0	1	1	1	1	1	1	1	1
24	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	2	1
25	2	1	0	0	0	0	0	0	0	0	1	5	4	14	14	4	1	4	5	19	22	19	21	5	8
26	5	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
27	1	1	1	1	1	1	1	1	1	2	1	0	2	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	1	1	6	1	1	1	1	1	1	0	1	0	0	0	1	1	1	1	1
MEAN	3	1	1	1	2	3	3	3	3	3	4	3	4	3	2	2	3	2	2	3	2	2	1	2	2.5

PERCENTAGE OF DATA VALID - 82.8

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 15.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 51038 GEN HOSPITAL 342 MCGILL HAWKSBURY													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	5	2	4	3	1	
2	1	1	1	1	1	3	4	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	4	2	0	1	24	8	20	17	20	12	5	2	3	3	1	21	2	2	2	11	7
4	11	14	13	15	16	3	8	7	19	15	30	7	16	7	7	4	9	10	15	9	23	13	9	40	13
5	6	3	2	1	1	16	2	7	7	8	2	0	12	10	10	12	17	6	1	0	1	2	1	1	5
6	0	7	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
7	0	0	0	0	1	1	0	2	4	7	3	4	2	2	1	1	1	0	1	1	1	1	2	4	2
8	4	3	3	2	2	2	1	1	0	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	1
9	21	17	2	1	1	6	6	7	10	-----	-----	-----	4	8	4	1	0	0	1	0	0	0	0	0	4
10	0	0	0	0	0	0	0	1	-----	1	0	1	0	0	0	0	0	1	1	1	10	3	4	10	1
11	1	0	2	1	0	0	0	0	0	1	1	0	0	0	0	0	2	2	10	2	1	0	0	1	1
12	0	0	0	0	0	0	1	1	-----	1	1	1	1	2	2	2	3	3	2	1	2	1	1	1	1
13	0	0	0	1	0	0	0	1	-----	19	10	10	9	1	2	2	4	1	22	1	0	0	1	1	4
14	0	1	1	1	1	1	1	1	1	1	1	0	5	5	5	5	5	5	5	5	5	5	5	5	5
15	0	0	0	0	0	1	1	1	-----	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1
16	1	1	1	1	1	0	0	0	-----	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1
17	1	1	18	32	1	0	0	0	-----	0	0	0	0	0	0	1	0	5	4	3	4	2	0	1	3
18	1	1	1	1	1	2	1	2	2	1	1	0	0	1	0	0	0	1	0	1	4	2	2	1	1
19	2	2	1	1	1	0	0	0	-----	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	-----	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	0
21	1	1	1	2	1	1	0	0	1	1	4	8	1	1	0	1	1	1	1	1	1	0	1	1	1
22	2	2	1	0	1	3	2	3	-----	1	2	1	2	2	2	1	1	1	1	1	2	2	2	3	2
23	3	3	4	4	4	4	4	4	-----	3	3	3	4	3	3	3	3	3	4	3	3	3	4	3	3
24	3	3	4	3	4	6	5	4	-----	1	0	1	2	1	1	1	2	4	5	3	7	5	6	3	3
25	7	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
26	2	2	1	2	1	1	1	1	-----	1	2	2	2	2	2	1	1	2	1	1	2	2	2	2	2
27	2	3	2	2	2	13	41	5	-----	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	4
28	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2
29	9	3	2	2	2	2	3	3	-----	2	1	1	1	1	1	1	1	1	1	2	5	3	9	3	3
30	2	2	2	2	2	2	0	0	-----	2	3	1	9	10	19	6	12	9	2	0	0	0	0	0	4
31	0	0	0	0	0	0	0	0	-----	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0
MEAN	3	2	2	3	2	2	3	2	5	3	3	2	3	2	2	2	2	2	3	2	3	2	2	3	2.4

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51038 GEN HOSPITAL 342 MCGILL HAWKSBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL		DATA UNAVAILABLE		
AUG		DATA UNAVAILABLE		
SEP		DATA UNAVAILABLE		
OCT		DATA UNAVAILABLE		
NOV	25	2.5	13	40
DEC	31	2.4	13	41
YEAR	56	2.4	13	41



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51038 GEN HOSPITAL 342 MCGILL HAWKSBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN		DATA UNAVAILABLE							
FEB		DATA UNAVAILABLE							
MAR		DATA UNAVAILABLE							
APR		DATA UNAVAILABLE							
MAY		DATA UNAVAILABLE							
JUN		DATA UNAVAILABLE							
JUL		DATA UNAVAILABLE							
AUG		DATA UNAVAILABLE							
SEP		DATA UNAVAILABLE							
OCT		DATA UNAVAILABLE							
NOV	512	32	26	13	9	3	1	0	596
DEC	650	41	13	12	5	2	2	0	725
YEAR	1162	73	39	25	14	5	3	0	1321

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.2	0	0.0	0.0	0.4	1.1	6.6	12.4	19.1	22.4	41	2.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29	----	----	----		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	0	1	0	0
31	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 85.5

PERCENTAGE OF DATA INVALID - 34.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 52020													MONTH - FEB 80												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR DAY																									
1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 57.0 PERCENTAGE OF DATA INVALID - 43.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 52020															MONTH - MAR 80										
CHURCHILL PK NAPIER ST KINGSTON																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
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26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 33.5 PERCENTAGE OF DATA INVALID - 66.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 52020													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 52020													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
		STATION - SE NO 52020					CHURCHILL PK NAPIER ST KINGSTON							MONTH - JUN 80												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.6      PERCENTAGE OF DATA INVALID - 0.4      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
		STATION - SE NO 52020					CHURCHILL PK NAPIER ST KINGSTON							MONTH - JUL 80												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31		1	1	1	1	1	1	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.2      PERCENTAGE OF DATA INVALID - 0.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON														MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	2	2	2	1
2	2	2	3	2	2	2	2	2	2	1	1	2	1	2	2	2	2	2	3	2	2	2	2	2	2
3	2	2	1	1	2	2	2	2	1	2	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2
4	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1
5	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	0	0	1	1	1	1	1	1	1
6	1	1	1	1	0	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0
24	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
27	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2	2	2	2	1
30	2	2	1	1	1	1	2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	2	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON														MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15																									
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28																									
29																									
30																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 46.4

PERCENTAGE OF DATA INVALID - 53.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON												MONTH - OCT 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
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30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 26.3 PERCENTAGE OF DATA INVALID - 72.4 PERCENTAGE OF DATA UNAVAILABLE - 1.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION																		
STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON														MONTH - NOV 80																		
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN							
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
3	0	0	0	0	0	0	0	0	0	0	-----													0	0	0	0	0	0	0	0	0
4	DATA INVALID														-----										0	0	0	0	0	0	0	0
5	DATA INVALID														-----										0	0	0	0	0	0	0	0
6	DATA INVALID														-----										0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0							
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
12	-----														-----										0	0	0	0	0	0	0	0
13	0	0	1	1	0	1	0	0	0	0	0	0	1	1	1	1	2	3	3	3	3	2	2	3	1							
14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
17	1	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0							
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	4	3	3	3	2	1							
27	2	1	1	1	0	0	0	0	0	0	-----					0	0	0	0	0	0	0	0	0	0	0						
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							

PERCENTAGE OF DATA VALID - 85.1 PERCENTAGE OF DATA INVALID - 14.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	1	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
27	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	0.1	0	2
FEB	18	0.1	1	1
MAR	10	0.0	0	0
APR	30	0.0	0	0
MAY	31	0.0	0	1
JUN	30	0.0	0	1
JUL	31	0.1	1	2
AUG	31	0.4	2	3
SEP	14	0.1	1	2
OCT	7	0.0	0	0
NOV	24	0.1	1	4
DEC	31	0.1	1	2
YEAR	275	0.1	2	4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	487	0	0	0	0	0	0	0	0	0	487
FEB	397	0	0	0	0	0	0	0	0	0	397
MAR	249	0	0	0	0	0	0	0	0	0	249
APR	717	0	0	0	0	0	0	0	0	0	717
MAY	740	0	0	0	0	0	0	0	0	0	740
JUN	717	0	0	0	0	0	0	0	0	0	717
JUL	738	0	0	0	0	0	0	0	0	0	738
AUG	741	0	0	0	0	0	0	0	0	0	741
SEP	334	0	0	0	0	0	0	0	0	0	334
OCT	196	0	0	0	0	0	0	0	0	0	196
NOV	613	0	0	0	0	0	0	0	0	0	613
DEC	738	0	0	0	0	0	0	0	0	0	738
YEAR	6667	0	0	0	0	0	0	0	0	0	6667

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
75.9	0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	4	0.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST. CORNWALL

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2	2	3	2	2	1	1	1	2	2	3	3	3	1	0	0	1	1	1	1	1	1	0	0	1
6	0	0	0	0	0	0	0	0	0	1	1	2	4	2	1	0	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	1	3	2	2	2	4	1	0	0	0	0	0	0	0	0	0	1
10	0	3	3	2	1	1	0	1	1	2	3	4	1	1	1	0	0	0	0	0	0	0	0	0	1
11	2	1	1	1	1	2	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	5	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	1	2	2	2	2	2	1	1	2	2	2	1	2	1	1	2	2	2	2	2	1	1	1	2
18	1	1	1	1	0	2	2	2	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1
19	1	1	1	0	0	1	1	1	1	1	1	0	2	2	5	4	1	0	2	6	1	5	4	3	2
20	3	1	1	2	0	0	0	0	0	0	0	0	0	3	4	4	5	3	6	4	3	6	7	6	2
21	1	4	3	3	1	1	2	0	0	0	0	2	2	3	6	2	3	0	0	0	0	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	3	4	2	7	8	6	9	7	1	2	4	1	2	2	1	1	4	1	2	1	1	2	3	3	3
25	6	5	2	3	1	1	1	1	3	1	3	1	3	1	1	1	1	1	1	1	1	1	1	1	2
26	3	4	1	0	0	4	3	6	6	2	3	1	2	5	7	1	1	0	1	2	1	0	0	0	2
27	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	3	2	0	1	1	0	1
28	0	0	0	0	0	0	0	0	0	0	0	1	2	5	5	3	5	2	2	4	2	1	1	1	2
29	0	0	0	0	0	0	0	1	4	4	4	2	1	1	2	2	5	2	3	2	4	1	0	2	2
30	1	2	2	5	8	5	7	11	4	4	3	6	3	3	3	1	2	1	1	1	5	7	2	2	4
31	2	3	2	2	1	1	2	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST. CORNWALL													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	0	0	2	6	8	4	7	10	6	4	3	2	2	3	1	0	2	6	3	0	2	3
2	6	0	5	8	4	2	3	7	5	2	1	1	1	4	3	3	3	1	2	3	5	1	1	1	3
3	2	1	0	0	1	1	1	5	3	4	5	1	1	0	3	5	3	1	1	1	1	1	1	2	2
4	1	1	0	0	0	0	3	3	6	3	4	2	2	8	0	1	0	0	1	1	1	1	2	1	2
5	1	1	1	0	0	1	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0
7	0	1	2	2	3	2	1	1	2	1	2	1	1	1	1	2	0	0	0	2	1	1	0	0	1
8	2	1	0	1	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	1	0	0	1	0	0	0	0	1	4	1	1	1	1	0	0	0	0	0	0	0	1	1
10	1	0	1	0	0	0	0	0	0	0	7	6	5	1	2	0	0	0	0	0	1	0	0	0	1
11	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	1	1	1	0	0	0	0	0	1
12	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0
14	0	0	0	0	1	2	0	0	1	1	2	3	2	1	1	1	1	0	0	1	1	1	1	0	1
15	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	1	5	1	1	1	0	1	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	1	1	0	0	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	2	1	1	2	3	3	3	3	3	7	3	3	3	4	1	1	2	2	2	3	2	3	2
20	2	2	2	2	2	2	2	2	4	3	4	4	5	3	3	4	4	4	3	3	4	3	3	2	3
21	3	3	2	4	4	1	2	3	4	2	2	1	1	0	0	0	0	0	0	0	0	3	1	2	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	0
23	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
24	1	0	1	0	0	0	0	0	1	1	1	1	2	3	3	2	2	2	2	1	2	1	1	1	1
25	1	1	1	0	0	0	0	0	2	2	2	2	1	1	0	0	0	0	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	1	3	3	3	3	4	4	4	2	3	1	0	0	0	1
27	1	1	0	0	0	0	1	2	5	1	1	1	1	1	1	0	0	0	1	0	1	0	0	0	1
28	0	0	1	1	2	3	1	2	1	1	1	1	4	6	6	11	8	8	10	1	0	0	1	5	3
29	3	0	0	1	1	2	1	1	1	1	0	1	4	2	1	0	1	3	14	15	2	4	0	0	3
MEAN	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION													
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST. CORNWALL														MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	0	0	7	1	1	6	5	5	1	2	0	0	0	0	1	0	1			
2	1	1	1	1	3	2	2	4	2	2	1	1	2	2	1	0	1	2	0	1	1	0	0	1			
3	2	2	2	2	1	0	0	1	1	1	1	0	0	1	1	2	1	2	2	2	3	2	2	2			
4	3	3	4	3	3	4	3	5	4	5	5	5	5	5	6	7	4	4	3	4	3	4	5	4			
5	5	4	4	4	4	4	4	4	3	1	1	2	2	2	2	2	2	2	2	2	3	3	2	3			
6	7	11	8	11	17	13	3	3	2	4	2	3	2	2	2	2	3	3	3	2	2	2	2	2			
7	2	2	2	2	2	2	2	3	4	6	4	4	6	9	5	4	4	3	2	2	2	2	2	2			
8	2	2	2	2	2	2	4	6	5	5	4	4	4	4	3	3	2	2	2	2	2	2	2	3			
9	3	3	4	4	3	2	2	3	3	3	4	3	3	2	2	2	4	4	3	2	2	2	2	2			
10	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2			
11	2	2	2	11	7	3	2	3	2	2	1	4	1	5	14	7	2	3	6	6	10	1	1	1			
12	6	6	3	9	8	3	0	2	11	12	0	0	0	0	0	0	0	0	3	0	0	0	0	0			
13	2	2	2	2	2	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0			
14	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	2	1	0	2	10	3	11	12	18		
15	17	22	19	17	3	1	1	0	0	1	1	1	6	5	13	12	14	20	8	14	9	3	1	1			
16	1	3	5	2	2	3	2	2	5	1	3	7	3	4	3	1	2	2	1	6	3	2	2	1	3		
17	1	2	4	3	3	3	3	5	5	1	1	7	6	5	1	1	1	1	1	1	1	0	0	0			
18	0	0	0	1	2	1	1	3	6	8	3	2	8	2	7	6	9	1	4	6	3	3	1	3	3		
19	8	1	1	5	3	2	1	0	3	1	2	4	2	4	5	6	5	3	3	2	1	1	1	1	2		
20	1	1	1	1	1	2	2	3	5	6	7	5	5	5	5	4	4	3	2	2	2	2	2	2	3		
21	3	4	4	4	4	4	3	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	2		
22	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0		
23	0	0	0	0	0	0	0	1	1	1	2	3	3	3	4	4	1	2	1	1	1	2	1	0	1		
24	2	1	1	0	0	0	0	0	0	0	1	1	5	2	1	1	1	0	0	0	0	0	0	0	0		
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	1	1	1	1	1	0	1	0	1		
27	0	0	0	0	0	0	0	0	0	0	1	2	3	1	1	1	1	1	1	1	1	1	1	1	3		
28	2	1	1	5	3	2	1	3	9	5	7	4	3	2	3	5	5	1	1	1	1	1	1	1	0	3	
29	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	1		
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	3	2	3	2	1		
31	2	1	2	2	2	1	2	3	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1		
MEAN	2	2	3	3	3	2	1	2	3	3	3	2	3	2	3	3	3	2	2	2	2	2	1	2	2.3		

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 56051												MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	0	0	0	2	4	2	1	0	0	1	0	2	1	3	2	1	1	1	2	2	1										
2	0	0	0	0	0	0	0	1	2	3	2	2	2	4	4	3	2	2	1	1	1	0	0	0	1										
3	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3	2	0	0	0	0	0	0	0	3	1										
4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0										
5	0	0	0	0	1	1	0	0	0	0	0	0	0	2	4	9	5	5	19	9	1	1	1	0	2	3									
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	1	0										
7	2	0	0	0	0	0	1	2	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0									
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
9	0	0	0	0	0	0	0	0	2	0	0	1	2	2	2	1	1	1	1	0	0	0	0	0	0	1									
10	0	0	0	0	1	0	0	2	6	5	3	4	6	1	0	0	0	1	1	0	0	0	0	0	0	1									
11	0	1	1	1	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1									
12	1	1	0	0	1	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	1	2	1	1	1	1									
13	1	1	1	1	2	1	1	1	1	1	1	2	1	2	3	2	3	2	1	1	0	0	2	1	1	1									
14	1	1	1	1	0	0	0	2	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1	1									
15	0	0	0	2	2	2	1	1	3	0	0	1	2	1	0	1	1	1	1	0	1	2	0	4	1	1									
16	2	2	1	1	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0									
17	0	0	0	0	0	0	0	1	4	3	0	3	1	4	3	1	1	2	2	4	2	1	1	2	1	1									
18	2	2	2	2	1	1	2	2	2	2	5	0	1	1	1	2	0	0	1	1	1	1	1	1	1	1									
19	1	1	1	0	0	0	0	4	3	2	2	3	3	3	5	5	4	3	3	3	8	9	6	3	2	2									
20	2	2	2	2	1	2	2	3	3	6	2	3	3	2	1	1	1	1	1	3	3	3	6	2	2	2									
21	2	1	1	2	1	1	0	1	0	0	2	5	2	1	0	0	0	0	0	0	0	0	0	0	0	1									
22	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	1	0	2	1	0	0	0	0	0	0	0									
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
24	0	0	0	0	0	0	0	0	0	1	2	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0									
25	0	0	0	1	1	1	1	1	0	0	0	0	1	2	1	1	1	2	1	3	2	3	3	2	1	1									
26	3	1	0	0	1	0	1	1	4	4	4	3	5	3	1	1	3	2	1	5	1	0	1	0	2	2									
27	0	0	0	3	1	2	1	2	18	8	8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1									
28	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	6	3	1	1	0	0	0	0									
29	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
30	0	0	0	0	0	0	0	0	0	0	1	3	2	1	0	1	3	0	0	0	0	0	0	0	0	0									
MEAN	1	0	0	1	0	0	0	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1.0									

PERCENTAGE OF DATA VALID - 97.5 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 56051		MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	2	2	2	1	0	0	2	0	1	1	1	0	0	0	1
2	0	0	0	0	0	0	1	2	2	2	3	2	3	4	5	5	1	0	1	1	1	1	2	2	2
3	1	1	4	3	2	1	1	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	1	3	0
5	1	1	0	0	0	0	0	1	4	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	1	2	4	3	1	1	1
7	5	0	0	0	0	0	0	1	4	4	2	0	1	0	0	1	1	0	1	0	1	0	0	0	1
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	2	2	1	2	1	1
9	1	2	0	3	1	1	1	1	0	0	2	3	1	1	2	2	2	2	2	2	2	2	1	2	1
10	1	2	2	0	1	0	1	2	3	1	2	3	1	1	1	1	2	1	1	1	0	0	0	0	1
11	0	0	0	0	1	2	3	1	1	1	1	1	4	2	1	0	1	1	2	4	2	1	1	2	1
12	3	2	1	1	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	3	2	3	2	1
13	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0
14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0
15	2	1	3	1	0	0	0	1	1	1	2	3	2	7	0	0	0	0	0	1	1	3	2	4	2
16	1	4	2	1	3	4	2	1	2	1	9	3	2	1	1	0	0	0	0	0	1	5	4	4	2
17	3	4	2	1	1	0	0	1	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	1
18	2	3	3	1	1	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0
20	2	2	0	1	0	0	0	1	3	1	0	1	2	0	0	0	0	0	0	1	1	1	1	0	1
21	0	0	0	0	1	0	1	2	2	0	5	3	0	2	1	1	2	3	4	3	2	3	3	2	2
22	2	2	1	1	2	2	3	2	3	2	2	1	1	2	2	2	4	6	2	2	2	1	1	1	1
23	0	0	0	2	0	2	2	1	2	4	2	4	2	2	3	4	6	1	5	7	2	1	1	0	2
24	0	0	0	0	0	1	2	3	2	1	2	1	1	1	1	1	2	0	1	2	3	2	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	2	3	3	2	1	1
29	3	0	1	1	0	0	0	1	1	1	1	0	1	0	0	0	1	4	6	1	0	0	0	0	1
30	0	0	0	0	0	0	0	1	4	7	3	1	1	2	1	1	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 2.2 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	1	0	0	1	1	0	1	0	0	1	0	1	0	1	1	1	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	1	1	1	1	0	2	1	1	1
3	3	0	0	1	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	7	1	1	4	1	0	0	3	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	1	0	1	2	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0
10	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	3	2	7	3	4	2	4	0	0	0	1	5	2	0	0	1	1	1	0	1	0	1	0	0
13	3	3	4	1	0	0	0	1	1	1	0	0	1	1	1	1	1	1	2	0	2	1	3	1	2
14	2	1	1	1	0	0	0	0	0	0	0	2	2	3	2	1	4	5	4	5	3	4	3	2	3
15	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	2	2	2	2	2	1	1	1	2	2	1	5	5	1	2	1	1	1	0	0	0	0	0	0
18	2	3	1	0	0	1	2	2	1	1	10	11	15	3	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	2	3	2	1	1	2	2	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	0	0	1	0	0	0	1	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	1	2	2	2	2	1	1
22	0	1	2	4	3	1	1	0	1	4	3	4	4	0	0	0	1	2	2	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	3	0	2	1	2	0	0	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	2	1	2	2	2	1	1	1	1
25	1	1	2	1	1	1	2	1	2	3	2	1	1	2	3	1	3	6	5	0	1	1	3	2	2
26	2	1	3	1	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1	1	1	2	7	1	1	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID - 6.1

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	6	4	10	20	12	1	1	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	3	1	0	1	2	1	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	0	0	1	2	6	3	0	2	0	0	1	1	0	0	0	0	1
11	0	0	0	1	2	2	1	1	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0	0	1
12	0	0	0	0	0	2	0	0	0	0	3	4	0	0	1	0	0	0	0	0	0	0	0	0	2
13	0	0	0	0	0	2	5	2	2	1	0	0	2	7	3	3	0	2	0	1	1	2	3	2	2
14	3	3	2	2	2	1	1	1	0	1	1	1	1	1	1	2	1	1	1	0	1	1	2	0	1
15	0	0	0	1	3	1	1	2	1	0	2	2	1	0	2	1	1	1	1	1	3	2	1	1	1
16	3	3	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
17	0	1	2	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	4	1
18	2	4	2	1	3	1	1	2	2	3	3	2	1	1	2	2	2	2	3	4	4	4	2	2	2
19	1	1	0	2	3	5	2	1	1	1	1	1	1	1	1	2	3	3	3	1	1	2	3	2	1
20	2	2	2	1	1	1	2	1	1	1	1	2	1	1	0	1	1	1	1	2	2	0	0	0	1
21	0	0	0	0	0	0	0	0	1	0	0	1	12	3	1	0	0	0	0	0	1	0	0	0	1
22	0	0	4	1	1	3	3	3	2	2	1	2	1	1	2	1	1	1	1	1	0	3	6	5	2
23	10	14	25	16	9	6	3	7	19	30	27	10	0	2	1	0	1	0	1	1	1	1	4	2	1
24	1	1	3	3	8	2	3	3	2	2	7	0	0	0	0	0	1	2	3	2	2	2	1	3	2
25	0	3	3	2	1	1	0	0	0	1	2	1	2	3	3	2	2	2	2	0	0	0	0	0	0
26	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
29	0	0	0	0	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1	0	2	2	1
30	4	4	4	4	4	3	2	3	2	2	2	3	3	3	3	4	4	5	3	4	6	4	4	5	4
31	7	5	5	6	6	8	4	3	3	3	3	4	5	4	5	4	5	5	6	7	7	6	5	5	5
MEAN	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL														MONTH - AUG 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	4	3	3	3	3	3	3	3	5	4	4	4	4	4	4	4	5	5	5	5	8	6	4
2		5	7	6	6	8	***	5	5	6	5	5	5	5	5	6	7	5	5	5	7	7	5	4	6
3		5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
4		3	2	0	0	0	0	0	0	1	2	***	2	0	0	0	1	2	1	1	1	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1
6		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1
7		0	1	2	5	17	5	3	1	0	1	0	0	1	1	2	2	2	2	1	1	1	2	2	2
8		2	2	1	1	2	1	1	1	1	0	1	1	1	1	2	2	2	2	1	1	1	1	1	1
9	***	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	1	3	4	2	3	1	0	1	2	1	1	1	1	0	0	1	1	1	1	1	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	1	1	1	1	1	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	***	0	1	1	0	1	1	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0
15		0	1	0	1	1	2	1	3	3	3	4	8	4	2	4	2	0	0	0	0	0	0	0	0
16		4	4	4	3	2	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	1
17		0	0	0	0	2	2	0	0	1	2	3	1	0	1	0	1	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	1	1	0	***	0	0	0	0	2	2	2	1	1	0	0
19		0	1	1	0	0	0	0	0	***	4	1	0	0	0	2	1	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	***	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	1	1	0	1	1	2	1	2	0	0	1	0	0	0	0	1
24		0	0	2	3	2	1	2	1	1	0	1	0	0	1	1	0	0	0	1	1	1	1	0	1
25		1	4	4	6	3	2	1	2	1	1	0	0	0	0	0	1	0	0	1	3	3	1	1	1
26		2	3	4	3	4	3	2	1	0	0	1	0	0	1	0	0	0	1	1	1	2	2	1	1
27		2	2	3	2	2	3	1	0	0	0	1	1	1	1	2	1	1	0	0	0	0	0	0	1
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	1	1	2	2	0	1	1	0	0	1	0	0	1	0	1	0	0
30		0	0	0	0	0	0	0	0	3	3	1	1	2	4	1	***	1	1	1	***	***	0	2	2
31		2	2	2	0	0	0	1	1	1	1	1	1	1	2	1	1	0	0	0	0	1	3	4	1
MEAN		1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL														MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	----	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	----	----	0	0	0	0	0	0	0	0	0	0	0	3	1	1
3	1	0	1	0	1	1	1	0	1	0	0	1	2	5	4	1	2	1	2	2	1	1	1	1	1
4	1	1	0	0	0	0	0	0	1	2	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0
6	1	1	1	1	2	2	1	2	4	3	1	3	4	2	1	1	0	0	0	1	0	0	0	0	1
7	0	2	1	0	0	0	3	1	1	0	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0
10	4	4	2	1	0	0	0	0	1	2	3	3	3	----	3	0	1	1	1	1	1	0	1	1	1
11	1	2	2	1	1	1	1	1	1	1	2	1	2	1	1	1	2	1	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	0	2	2	0	0	0	0	0	0	0	0	0	----	----	0	0	0	1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	0	0
19	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	2	1	2	3	2	2	1	1	5	1
21	3	1	0	0	0	0	0	0	0	1	3	1	1	0	0	0	0	1	1	1	0	0	0	0	1
22	2	2	1	0	1	1	0	1	0	1	1	1	1	3	0	0	0	1	1	0	0	0	0	0	1
23	0	2	2	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	3	5	5	3	1	1	3	2	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
28	1	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	0	0	0	0	0	1	1	0	0
30	1	1	1	1	1	2	1	0	1	----	6	2	1	2	1	1	1	1	0	0	0	0	0	0	0
MEAN	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	1	1	0.5

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL														MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	2	4	6	4	1	1	1	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0
3	1	****	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	2	1	0	1	0	1
6	0	0	1	0	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	2	1	2	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
10	1	1	2	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	0	0	0	0	1	2	2	3	2	2	2	1	1	2	0	1	2	1
12	2	1	2	2	1	1	1	1	1	0	0	0	0	0	1	2	5	3	1	1	1	1	1	1	1
13	2	2	1	1	2	6	9	8	9	3	2	4	8	5	6	7	6	5	13	12	9	8	4	7	5
14	17	13	14	12	8	8	8	10	6	3	5	4	3	1	2	1	0	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	0	1	11	10	7	2	2	1	***	1	4	1	1	1	1	1	1	1	2
16	1	1	1	0	0	0	0	0	0	3	3	3	3	2	1	1	0	1	1	2	2	1	0	0	1
17	0	0	0	0	0	0	0	0	1	2	2	3	2	1	1	1	0	0	1	2	2	2	3	3	1
18	0	0	0	0	0	0	1	0	1	1	2	2	1	1	1	2	2	2	2	1	2	0	1	2	1
19	1	1	1	1	1	1	1	1	1	1	1	3	1	0	0	6	2	1	1	1	1	1	2	2	1
20	1	1	2	1	1	1	1	0	5	8	4	2	1	0	1	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	1	1	0	0	****	0	0	0	1	1	1	1	2	1	0	0	0	1	5	1	1
22	1	7	9	11	6	3	1	5	3	2	1	6	4	2	7	6	1	1	1	0	0	0	0	0	3
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
24	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	4	8	5	11	10	6	7	
27	2	2	1	7	8	2	2	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	1
28	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	3	3	2	1	1	5	12	8	
29	10	9	11	14	15	14	7	5	7	3	5	8	4	7	5	5	3	1	1	1	1	2	1	1	6
30	7	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
31	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	1	2	2	2	1	1	1	2	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 56051		MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	2	3	6	1	8	6	7	5	7	6	8	1	4	3	4	3	5	7	4	6	7	4	4
2	7	4	1	1	1	1	1	0	0	0	0	1	2	1	6	4	1	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	2	2	2	1
4	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	2	4	3	8	10	6	1	0	0	0	4	7	3	0	0	1	4	5	2	7	3
6	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	6	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	3	2	2	1	1	1	1
9	1	1	0	1	1	1	1	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1
10	2	2	4	2	1	0	0	0	0	1	4	1	6	3	1	5	4	7	3	4	4	6	5	6	3
11	2	1	1	1	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	3	3	1	1	1
13	1	3	12	10	5	2	1	1	1	1	1	1	1	2	0	2	1	1	1	1	1	1	1	1	1
14	1	1	1	1	3	4	2	1	1	***	2	0	0	0	***	0	0	0	0	0	0	2	3	1	1
15	2	1	0	1	1	1	0	0	0	0	0	0	0	0	0	3	0	2	1	0	0	1	3	1	1
16	1	0	0	0	0	0	0	0	0	0	0	2	0	5	3	4	2	1	1	1	1	1	0	1	1
17	0	0	0	0	0	0	0	0	0	1	0	3	4	1	1	1	1	1	1	1	1	1	1	1	1
18	***	1	1	2	2	3	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1
19	0	0	1	6	8	10	9	2	1	2	1	1	1	0	0	0	1	1	1	1	1	0	0	1	2
20	1	1	1	0	0	0	0	0	0	1	2	1	1	0	1	0	1	0	1	0	1	1	0	0	1
21	1	1	0	0	0	0	1	1	***	***	***	1	2	2	2	2	1	1	0	0	0	1	1	1	1
22	0	1	1	2	5	2	1	2	3	4	2	2	1	1	1	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
24	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	***	4	0	0	0	0	0	0	0	0	0	0	0	0	0
26	3	2	9	5	1	2	1	1	1	1	0	0	0	3	7	6	2	1	1	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	2	1	1	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
30	2	4	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	1	1	1	0	0	1	3	***	1	1	0	***	***	0	0	0	1	1	0	1
2	0	1	2	2	1	0	0	0	0	0	***	1	0	0	1	1	1	1	1	1	1	1	1	1	1
3	1	1	0	2	4	1	0	0	0	0	0	0	0	0	0	7	13	6	6	2	5	5	3	5	3
4	5	3	6	6	8	9	12	13	12	10	9	8	***	10	6	8	12	9	9	8	10	-	3	3	8
5	2	2	1	2	3	4	5	6	3	8	8	***	2	2	1	1	1	5	9	5	6	5	2	1	4
6	1	3	2	1	2	1	1	1	2	0	4	3	2	2	2	2	2	2	2	1	2	2	2	2	2
7	2	2	2	1	2	2	2	2	3	4	9	6	4	3	2	2	2	2	3	3	2	2	2	2	3
8	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	4	9	8	11	4	8	3
9	10	4	8	2	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	-	-	1	1	2
10	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	***	***	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	2	1	1	1	1	-	-	-	1	1
12	1	1	1	1	1	1	1	1	1	3	***	2	3	1	1	1	2	2	1	1	2	2	2	2	1
13	2	3	3	3	3	3	3	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1
14	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1
15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
16	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	3	1	1	1	1	5	***	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	3	5	6	5	3	2	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	1	2	1	1	0	0	0	1	2	0	0	0	0	0	1	2	3	3	2	2	1
28	3	4	5	5	4	5	5	4	5	6	7	7	7	5	5	5	3	2	3	4	2	3	3	3	4
29	3	3	3	3	2	1	1	2	3	3	3	3	2	***	2	2	2	2	2	2	2	2	2	2	2
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	3	4	3	2	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	-	-
MEAN	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	2	1	2	1	2	2	1	1	1.4

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	4	11
FEB	29	1.3	3	15
MAR	31	2.3	8	22
APR	30	1.0	3	19
MAY	31	0.9	2	11
JUN	30	0.9	3	15
JUL	31	1.3	6	30
AUG	31	1.0	6	17
SEP	30	0.5	1	6
OCT	31	1.4	6	17
NOV	30	1.0	4	12
DEC	31	1.4	8	13
YEAR	366	1.2	8	30



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	711	20	1	0	0	0	0	0	0	0	0	0	732
FEB	653	19	3	0	0	0	0	0	0	0	0	0	675
MAR	660	42	12	6	1	0	0	0	0	0	0	0	721
APR	688	12	0	2	0	0	0	0	0	0	0	0	702
MAY	716	8	1	0	0	0	0	0	0	0	0	0	725
JUN	658	7	4	0	0	0	0	0	0	0	0	0	669
JUL	701	22	3	3	2	2	0	0	0	0	0	0	733
AUG	712	16	0	1	0	0	0	0	0	0	0	0	729
SEP	703	1	0	0	0	0	0	0	0	0	0	0	704
OCT	677	42	13	1	0	0	0	0	0	0	0	0	733
NOV	679	30	1	0	0	0	0	0	0	0	0	0	710
DEC	666	36	6	0	0	0	0	0	0	0	0	0	708
YEAR	8224	255	44	13	3	2	0	0	0	0	0	0	8541

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.2	0	0.0	0.0	0.0	0.8	2.7	4.3	6.8	8.9	30	1.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0
14	0	0	1	0	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
15	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	1	1	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0
22	1	1	0	1	1	2	1	2	1	1	1	1	1	1	3	2	2	2	3	2	2	2	2	1	2
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
25	1	1	1	3	2	2	2	1	3	1	2	3	3	1	1	0	0	0	0	0	0	0	0	0	1
26	1	1	1	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	- DATA INVALID -																								
28	- DATA INVALID -																								
29	- DATA INVALID -																								
30	- DATA INVALID -																								
31	- DATA INVALID -																								
MEAN	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 82.1

PERCENTAGE OF DATA INVALID - 17.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 59006		CITY HALL 500 GEORGE ST. PETERBURGHOUGH												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	.....
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
9	1	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	1	1	0	0	0	0	0	1
10	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
11	1	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	2	2	2	2	2	2	2	2	1
12	2	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	1	1
13	1	2	2	2	3	2	2	2	3	2	2	1	1	1	2	3	1	1	1	2	2	0	1	2	2
14	3	3	3	3	3	3	2	2	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	2	2	2	1
19	2	2	2	2	2	4	4	2	3	4	3	2	3	2	2	2	1	2	5	6	8	5	4	2	3
20	2	3	3	4	4	2	4	3	3	2	3	3	2	2	2	2	1	1	2	4	3	2	2	2	3
21	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0
26	0	2	2	2	1	1	1	1	1	1	2	.....	1	1	1	1	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - C NO 59006											CITY HALL 500 GEORGE ST. PETERBOROUGH														
											MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	1	1	0	0	0	0	0	0	1	1	2	.....	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	1	1	1	3	3	2	2	2	4	5	3	1
5	2	1	1	2	3	5	3	2	3	3	2	2	3	2	2	2	1	1	1	1	1	1	0	0	2
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	2	2	2	3	1
7	2	3	3	2	3	2	4	3	3	2	1	1	1	1	1	1	1	1	1	3	2	2	2	3	2
8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
9	0	0	0	1	1	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	2	3	3	3	2
10	2	2	2	2	2	1	2	2	3	3	3	2	3	2	2	2	2	2	2	2	2	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
13	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	2	2	1	1	0	0	0	0	1
15	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0
16	1	1	2	3	2	1	1	1	1	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1
17	1	1	1	1	2	2	2	3	6	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
18	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	1	2	2	2	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2
20	3	3	4	3	3	4	3	4	3	2	2	2	3	3	3	3	2	2	2	3	3	3	2	2	3
21	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	0	0	0	0	1	1	1
24	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	0
26	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1
28	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
29	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 59006		CITY HALL 500 GEORGE ST. PETERBOROUGH												MONTH - APR 80											
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	----	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	1	1	1	1	2	2	1	1	0	0	0	1	1	1	2	1	1	1	1	1	1
3	1	1	1	1	1	2	2	2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1
4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
10	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
12	0	1	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	1	2	1	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
16	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0
17	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1
18	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
19	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1
20	2	3	3	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	0	1	1	1	1	1	1	1	1	1	----	2	2	2	2	2	2	2	2	1	1	1	1
24	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
26	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
27	2	2	2	1	1	1	1	2	2	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2
28	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	4
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.7      PERCENTAGE OF DATA INVALID - 0.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 59006		CITY HALL 500 GEORGE ST. PETERBOROUGH												MONTH - MAY 80											
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
3	1	1	1	1	2	1	1	1	1	2	1	1	0	1	2	2	2	2	2	2	2	2	2	2	1
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	4	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	3	2	2	2	2	2	----	----	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	----	----	----	----	----	0
22	----	----	----	----	----	----	----	----	----	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	----	----	----	----	----	----	----	----	----	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 94.5      PERCENTAGE OF DATA INVALID - 5.5      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH														MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	0	0	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
14	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1
15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
22	0	1	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23																									
24																									
25																									
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	1	0	0	0	0	0	0	.....
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 87.6      PERCENTAGE OF DATA INVALID - 12.4      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH														MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	0	0	0
8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	- DATA INVALID -													
12												- DATA INVALID -													
13												- DATA INVALID -													
14												- DATA INVALID -													
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 88.7      PERCENTAGE OF DATA INVALID - 11.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



UNITS - 0.01 PARTS/MILLION

MONTH - AUG 80

PERCENTAGE OF DATA VALID - 96.8      PERCENTAGE OF DATA INVALID - 0.0      PERCENTAGE OF DATA UNAVAILABLE - 3.2

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-.-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

MONTH - SEP 80

PERCENTAGE OF DATA VALID - 78.8      PERCENTAGE OF DATA INVALID - 21.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 59006		CITY HALL 500 GEORGE ST. PETERBOROUGH												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 59006		CITY HALL 500 GEORGE ST. PETERBOROUGH												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	1	1	2	2	1	2	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	0	0	0	1	2	1	1	0	0	1	1	1	1	1	1	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
17	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	2	3	3	2	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1
21	1	1	1	1	1	1	2	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
23	0	0	0	0	0	0	1	3	3	1	1	3	3	3	3	2	2	3	2	2	1	1	1	1	2
24	1	1	0	0	2	3	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	1	2	3	2	1	2	1	1	0	0	0	0	0	0	1	1	2	2	2	1	1
27	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR D



POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH																MONTH - DEC 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	0	1	0
5	1	2	3	3	3	4	2	3	4	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1
6	1	2	3	3	3	4	2	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0	1	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
15	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
18	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
20	1	0	1	4	6	5	1	2	4	2	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
22	1	2	1	1	1	2	1	2	2	2	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1
23	1	1	1	1	1	1	2	2	2	3	3	1	2	3	4	4	4	4	4	1	1	1	2	2	2
24	2	2	2	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0
26	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0
27	2	3	3	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	1	1	1	3	3	1	2	1	2	2	2	2	2	2	2	2	4	1
29	2	2	2	2	2	1	2	1	1	2	3	1	2	2	1	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
31	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.5

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	0.3	2	3
FEB	28	0.7	3	8
MAR	31	1.0	3	6
APR	30	1.1	2	3
MAY	29	0.3	2	5
JUN	26	0.2	1	2
JUL	27	0.0	0	2
AUG	30	0.0	1	1
SEP	22	0.1	1	3
OCT	31	0.0	0	2
NOV	30	0.2	2	3
DEC	31	0.5	2	6
YEAR	340	0.4	3	8



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	611	0	0	0	0	0	0	0	0	0	611
FEB	678	2	0	0	0	0	0	0	0	0	680
MAR	740	1	0	0	0	0	0	0	0	0	741
APR	718	0	0	0	0	0	0	0	0	0	718
MAY	703	0	0	0	0	0	0	0	0	0	703
JUN	631	0	0	0	0	0	0	0	0	0	631
JUL	660	0	0	0	0	0	0	0	0	0	660
AUG	720	0	0	0	0	0	0	0	0	0	720
SEP	567	0	0	0	0	0	0	0	0	0	567
OCT	742	0	0	0	0	0	0	0	0	0	742
NOV	719	0	0	0	0	0	0	0	0	0	719
DEC	741	1	0	0	0	0	0	0	0	0	742
YEAR	8230	4	0	0	0	0	0	0	0	0	8234

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.7	0	0.0	0.0	0.0	0.0	0.9	1.5	2.0	2.6	8	0.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010

LASSIE/DICKENSON RDS BALMERTOWN

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	4	1	0	0	0	0	12	16	25	26	30	24	8	0	0	0	0	0	0	0	0	0	6
2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	9	13	11	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
7	3	15	16	24	42	54	45	45	21	22	24	3	0	0	1	1	0	0	0	0	0	0	0	0	13
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	6	14	11	6	11	11	3	0	0	1
11	0	0	3	21	32	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	3
12	1	1	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	14	5	5	7	12	0	0	1	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	17	6	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0
MEAN	0	1	1	3	3	2	3	2	1	2	3	2	1	2	1	1	1	0	1	1	0	0	0	0	1.3

PERCENTAGE OF DATA VALID - 85.1

PERCENTAGE OF DATA INVALID - 14.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION																													
STATION - NW NO 61010													LASSIE/DICKENSON RDS										BALMERTOWN										MONTH - FEB 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																	
1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0																	
2	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0																	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0																	
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0																	
8	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	1	0	0	1	1	1	0	0	0	1																	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
10	0	0	7	6	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1																	
11	0	0	0	0	0	0	0	0	0	0	0	7	0	1	0	1	1	1	0	0	0	0	1	1	1																	
12	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0																	
13	0	0	0	1	2	2	3	2	2	1	2	2	0	2	0	0	1	1	1	0	0	0	0	0	1																	
14	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****																	
15	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
16	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****																	
17	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****																	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
19	0	0	0	0	0	0	0	0	0	0	2	12	5	1	0	0	0	0	0	0	0	0	0	0	1																	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
22	0	0	0	0	0	2	1	1	2	2	7	31	26	14	21	0	0	0	0	0	0	0	0	1	5																	
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0																	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
28	0	0	0	0	0	0	0	1	47	62	50	41	33	31	17	12	24	7	4	4	1	2	5	0	14																	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
MEAN	0	0	0	0	0	0	0	0	2	3	3	4	3	2	2	1	1	0	0	0	0	0	0	0	1																	

PERCENTAGE OF DATA VALID - 83.0

PERCENTAGE OF DATA INVALID - 17.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION																													
STATION - NW NO 61010													LASSIE/DICKENSON RDS										BALMERTOWN										MONTH - MAR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																	
1	0	0	0	0	0	0	0	0	***	***	0	***	***	***	***	***	***	***	***	0	0	0	***	***	***																	
2	***	***	***	0	0	0	0	0	***	***	***	0	***	***	***	***	***	***	***	0	0	0	0	0	***																	
3	0	0	0	0	0	0	0	6	7	30	47	7	0	35	0	0	0	0	0	0	0	0	0	0	6																	
4														- DATA	INVALID	-																										
5														- DATA	INVALID	-																										
6														- DATA	INVALID	-																										
7														- DATA	INVALID	-																										
8														- DATA	INVALID	-																										
9														- DATA	INVALID	-																										
10														- DATA	INVALID	-																										
11														- DATA	INVALID	-																										
12														- DATA	INVALID	-																										
13														- DATA	INVALID	-																										
14														- DATA	INVALID	-																										
15														- DATA	INVALID	-																										
16														- DATA	INVALID	-																										
17														- DATA	INVALID	-																										
18														- DATA	INVALID	-																										
19														- DATA	INVALID	-																										
20														- DATA	INVALID	-																										
21														- DATA	INVALID	-																										
22														- DATA	INVALID	-																										
23														- DATA	INVALID	-																										
24														- DATA	INVALID	-																										
25														- DATA	INVALID	-																										
26														- DATA	INVALID	-																										
27														- DATA	INVALID	-																										
28														- DATA	INVALID	-																										
29														- DATA	INVALID	-																										
30														- DATA	INVALID	-																										
31														- DATA	INVALID	-																										
MEAN	0	0	0	0	0	0	0	2	7	30	24	4	0	35	0	0	0	0	0	0	0	0	0	0	2.0																	



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010

LASSIE/DICKENSON RDS BALMERTOWN

MONTH - MAY 80

[illegible]

PERCENTAGE OF DATA VALID - 24.7

PERCENTAGE OF DATA INVALID - 21.2

PERCENTAGE OF DATA UNAVAILABLE - 54.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     " " INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010

LASSIE/DICKENSON RDS BALMERTOWN

MONTH - JUN 80

[illegible]

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*.\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALIO DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 61010						LASSIE/DICKENSON RDS						BALMERTOWN						MONTH - SEP 80							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	3	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	1
11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	14	27	36	35	31	14	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 61010											LASSIE/DICKENSON RDS					BALMERTOWN					MONTH - OCT 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	1	1	35	2
2	14	23	64	68	51	47	48	49	13	12	21	14	3	9	1	0	0	0	0	0	0	0	0	0	18
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	9	1	1	0	0	1	0	1	0	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
10	0	0	0	0	0	1	1	1	1	1	0	7	1	21	31	40	36	30	25	16	16	38	51	61	16
11	70	53	35	16	56	44	20	3	36	8	10	18	3	18	5	0	0	0	0	0	0	0	0	0	16
12	0	0	0	0	0	0	0	0	0	0	0	0	3	16	5	0	1	4	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	1	1	1	1	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
21	0	1	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	5	22	1	0	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	12	33	13	21	5	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	44	14	7	10	34	29	17	5	7	4
25	5	0	3	3	20	43	12	5	12	5	7	9	10	31	1	3	4	1	0	0	0	0	0	0	7
26	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	3	4	3	4	5	3	2	2	1	1	2	2	3	2	2	3	2	2	2	2	3	3	3	2.6

PERCENTAGE OF DATA VALID - 94.1 PERCENTAGE OF DATA INVALID - 5.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	6	23	1	1	1	1	1	0	0	1	1	1	1	1	1	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	0	0	7	8	1	16	25	8	17	17	16	3	1	0	0	0	1	3	0	5
7	0	3	2	1	1	0	0	0	28	51	56	55	9	9	5	6	0	0	0	0	0	0	0	0	9
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	2	4	6	1	21	31	33	13	0	0	0	0	0	0	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	11	5	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	1	1	1	2	4	3	5	1
21	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	1	0	0	0	0	0	2	3	1	1	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1
30	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2	1	0	0	1	1	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	2	3	5	5	3	2	1	1	0	0	1	0	0	0	0	0	1.0

PERCENTAGE OF DATA VALID - 88.9 PERCENTAGE OF DATA INVALID - 11.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	6	2	2	1	1	1	1	27	DATA INVALID	7	1	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID	DATA INVALID
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	4	7	5	9	10	11	5	6	2	1	7	2	0	0	0	0	1	5	5	2	0	0	0	0	3
14	0	2	2	2	5	1	3	8	8	8	3	0	0	4	4	6	6	6	6	6	1	1	0	0	4
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	1	1	1	1	1	2	0	1	0	0	0	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 70.0 PERCENTAGE OF DATA INVALID - 30.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	1.3	13	54
FEB	23	1.0	14	62
MAR	1	2.8	6	47
APR		DATA UNAVAILABLE		
MAY	7	1.4	8	40
JUN	29	1.5	13	49
JUL	31	0.6	7	44
AUG	31	0.4	5	31
SEP	30	0.3	7	36
OCT	29	2.6	18	70
NOV	25	1.0	9	56
DEC	19	0.5	4	27
YEAR	249	1.1	18	70

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	596	8	11	3	8	3	3	1	633
FEB	558	5	4	1	2	4	2	2	578
MAR	41	3	0	0	0	2	1	0	47
APR	DATA UNAVAILABLE								
MAY	172	3	1	3	1	3	1	0	184
JUN	646	19	13	10	5	7	3	0	703
JUL	716	13	4	3	2	3	2	0	743
AUG	721	5	6	4	1	1	0	0	738
SEP	683	0	2	0	0	4	0	0	689
OCT	635	14	9	9	6	12	7	8	700
NOV	616	9	2	4	3	3	0	3	640
DEC	503	16	1	0	0	1	0	0	521
YEAR	5887	95	53	37	28	43	19	14	6176

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
76.6	0	0.0	0.0	0.0	0.0	0.5	4.4	16.7	29.0	70	1.1







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63022		HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY												MONTH - MAR 80											
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25																									
26																									
27																									
28																									
29																									
30																									
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	0	1	1	1	1	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 77.4      PERCENTAGE OF DATA INVALID - 22.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION										
STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY																MONTH - APR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1	0	.....	.....	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
21	0	1	1	1	1	1	0	0	0	1	0	1	0	0	0	.....	.....	.....	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	

PERCENTAGE OF DATA VALID - 98.9      PERCENTAGE OF DATA INVALID - 1.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY										MONTH - MAY 80														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 73.9

PERCENTAGE OF DATA INVALID - 26.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY										MONTH - JUN 80														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	2	2	0
21	1	1	1	1	0	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO-63022

HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022

HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH - AUG 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	2	4	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY											MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY										MONTH - OCT 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63022		HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY																							
		MONTH - NOV 80																							
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NW NO 63022										HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY										MONTH - DEC 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.0	0	4
FEB	29	0.0	0	2
MAR	23	0.0	0	1
APR	30	0.0	0	2
MAY	22	0.0	0	2
JUN	30	0.1	0	3
JUL	31	0.2	1	4
AUG	31	0.2	1	10
SEP	29	0.1	1	4
OCT	31	0.0	0	2
NOV	30	0.0	1	3
DEC	31	0.0	0	3
YEAR	348	0.1	1	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	733	0	0	0	0	0	0	0	733
FEB	695	0	0	0	0	0	0	0	695
MAR	576	0	0	0	0	0	0	0	576
APR	712	0	0	0	0	0	0	0	712
MAY	550	0	0	0	0	0	0	0	550
JUN	712	0	0	0	0	0	0	0	712
JUL	743	0	0	0	0	0	0	0	743
AUG	738	3	0	0	0	0	0	0	741
SEP	690	0	0	0	0	0	0	0	690
OCT	739	0	0	0	0	0	0	0	739
NOV	716	0	0	0	0	0	0	0	716
DEC	742	0	0	0	0	0	0	0	742
YEAR	8346	3	0	0	0	0	0	0	8349

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0	10	0.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS PER MILLION														
STATION - NW NO 63040											435 JAMES ST S THUNDER BAY														
MONTH - JAN 80											NORTH - JAN 80														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
HOUR DAY																									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 63040											435 JAMES ST S THUNDER BAY														
MONTH - FEB 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 2.4 PERCENTAGE



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY		MONTH - MAR 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY		MONTH - APR 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	2	0	1	1	1	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 79.9

PERCENTAGE OF DATA INVALID - 19.6

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY		MONTH - MAY 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
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25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 71.2 PERCENTAGE OF DATA INVALID - 28.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY		MONTH - JUN 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
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23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63040 435 JAMES ST S THUNDER BAY

MONTH - SEP 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	1	1	1	1	2	0	1	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	2	0	0	0	0	1	0
21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	2	5	6	4	1	0	0	1	0	0	0	0	0	0	1
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	2	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	2	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63040 435 JAMES ST S THUNDER BAY

MONTH - OCT 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	2	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	2	2	2	3	0	0	0	0	0	1	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	5	5	4	0	0	3	4	1	3	1	2	0	1	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY																MONTH - NOV 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY																MONTH - DEC 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63040 435 JAMES ST S THUNDER BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.0	0	1
FEB	28	0.1	1	13
MAR	31	0.0	0	2
APR	24	0.2	1	11
MAY	20	0.3	2	16
JUN	30	0.2	1	6
JUL	31	0.2	1	8
AUG	25	0.3	1	12
SEP	30	0.1	1	8
OCT	31	0.1	1	5
NOV	30	0.0	0	2
DEC	30	0.0	0	1
YEAR	341	0.1	2	16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63040 435 JAMES ST S THUNDER BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 40	41 TO 50	50 & OVER	TOTAL
JAN	729	0	0	0	0	0	0	0	0	729
FEB	678	0	1	0	0	0	0	0	0	679
MAR	744	0	0	0	0	0	0	0	0	744
APR	573	1	1	0	0	0	0	0	0	575
MAY	524	4	1	1	0	0	0	0	0	530
JUN	705	1	0	0	0	0	0	0	0	706
JUL	729	3	0	0	0	0	0	0	0	732
AUG	626	3	3	0	0	0	0	0	0	632
SEP	699	2	0	0	0	0	0	0	0	701
OCT	741	0	0	0	0	0	0	0	0	741
NOV	713	0	0	0	0	0	0	0	0	713
DEC	706	0	0	0	0	0	0	0	0	706
YEAR	8167	14	8	1	0	0	0	0	0	8188

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.2	0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	2.6	16	0.1



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71001 29 HILLCREST AVE WAWA															MONTH - JAN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	6	3	1	2	2	2	1
4	1	1	1	1	1	2	3	3	3	3	3	2	3	2	1	1	1	1	1	1	1	1	1	1	2
5	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0
6	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	0
8	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1
9	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	14	2	2	1	55	5
10	2	1	10	12	4	4	3	2	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	7	0	15	5	0	30	120	87	92	43	132	32	5	5	5	5	5	5	7	9	5	3	2	2	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	2	0
17	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	0
19	1	1	3	4	5	3	0	0	0	0	1	17	1	1	1	1	1	1	2	5	37	18	2	4	5
20	0	0	0	5	3	1	1	2	2	2	3	2	1	1	1	0	0	0	0	0	1	18	6	3	2
21	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	2	4	0	0	1	2	2	3	4	1
24	2	3	3	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	2	2	2	3	2	2	2
25	1	1	1	1	1	1	1	2	2	2	1	1	1	0	41	21	0	0	0	0	0	0	0	0	3
26	0	2	7	12	8	4	3	2	3	3	2	1	1	37	23	18	11	3	4	3	5	2	1	1	7
27	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0
29	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1
30	0	1	1	1	1	1	1	2	3	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
31	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	2	2	2	2	2	1	1
MEAN	1	1	2	2	1	2	5	4	4	2	5	2	2	2	3	2	1	1	1	2	2	2	1	3	2.1

PERCENTAGE OF DATA VALID - 97.0

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71001 29 HILLCREST AVE WAWA															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	2	2	2	2	2	2	0	0	0	1	1	2	2	1	1	1	2	1	2
2	2	1	1	1	1	1	1	1	2	2	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0
6	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
8	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0
9	1	1	2	2	1	1	1	1	1	1	1	0	1	0	64	40	10	3	3	4	5	6	4	4	7
10	3	3	3	2	1	1	2	3	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
12	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	61	11	3
14	1	0	0	0	1	1	1	2	2	3	1	1	15	3	2	0	0	0	0	0	0	63	9	13	5
15	3	0	0	0	0	0	0	0	0	1	2	1	19	15	5	1	0	1	3	2	2	2	4	4	3
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	2	1	1	1	0
17	3	2	2	2	2	1	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	5	2	0	0	2	4	3	3	1
23	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	1	3	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	1	1	1	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	1	0	0	0	0	1	1	3	2	1	0	1	0	1	3	3	1	0.9

PERCENTAGE OF DATA VALID - 96.3

PERCENTAGE OF DATA INVALID - 3.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 71001 29 HILLCREST AVE WAWA											MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	1	1	1	1	9	2	1	0	----	0	0	0	0	0	0	0	1	0	-----
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-----
3																									
4																									
5																									
6																									
7	1	1	1	1	0	2	3	4	4	3	2	18	3	0	0	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	2	2	0
9	2	2	2	1	2	5	6	5	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	38	74	13	2	3	60	22	3	21	0	0	0	0	0	0	0	0	10
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	2	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	3	3	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
MEAN	0	0	0	0	0	0	0	2	3	1	1	2	3	1	1	3	1	0	0	0	0	0	0	1	0.8

PERCENTAGE OF DATA VALID - 83.2 PERCENTAGE OF DATA INVALID - 3.9 PERCENTAGE OF DATA UNAVAILABLE - 12.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 71001 29 HILLCREST AVE WAWA											MONTH - APR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	7	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	1	5	0
3	4	4	2	0	0	1	1	1	1	1	1	1	0	0	2	4	0	0	0	0	0	0	0	0	1
4	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	5	2	0	0	0	0	5	0	0	1
5	0	0	0	0	0	0	0	0	0	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	2	4	2	12	1	0	2	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	27	15	8	4	2	1	1	1	1	1	0	0	15	17	1	0	0	0	0	0	0	1	0	1	1
19	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	4
20	5	8	6	4	3	3	2	2	2	2	2	1	0	0	0	0	0	1	2	3	3	2	3	6	9
21	10	15	16	12	13	8	6	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0
23	2	7	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	2	0.7



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 71001 29 HILLCREST AVE WAWA											MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	8	8	3	2	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	4	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0.4

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 3.6

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 71001 29 HILLCREST AVE WAWA											MONTH - JUN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	2	...	2	1	2	0	0	0	0	0	0	0	17	1
5	27	10	3	1	0	17	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	3	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	10	1	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	5	4	3	2	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2	

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 71001 29 HILLCREST AVE WAWA												MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	2	3	20	48	3	1	1	1	1	0	0	0	0	0	0	0	0	0	3
5	0	0	0	0	0	0	0	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	2	2	3	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	0	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	31	21	2	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 1.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 71001 29 HILLCREST AVE WAWA												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	1
9	0	0	0	0	0	0	0	13	9	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	3	9	4	2	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	3	3	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	24	7	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0.2

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 71001 29 HILLCREST AVE WAWA												MONTH - SEP 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	8	4	0	0	0	0	0	19	6	17	12	36	45	9	0	0	0	0	0	0	0	0	0	0	7
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	50	0	0	0	0	8	3
10	19	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	4	0	0	0	0	44	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	13	15	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	87	51	78	45	60	15	22	21	0	0	0	0	0	2	17	0
28	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	0	0	1	0	0	0	1	0	5	4	6	4	3	1	1	1	0	2	0	0	0	0	0	1.3

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 71001 29 HILLCREST AVE WAWA													MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	6	
2	0	0	4	0	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	42	18	9	18	24	52	0	0	0	70	5	26	39	3	0	0	0	0	0	0	0	13
9	0	0	0	0	0	0	0	0	0	0	3	23	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
11	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	4	4	16	18	10	1	0	0	0	0	1	1	1	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	4	0	0	36	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	13	2	6	1	1	17	3	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	16	0	0	2
26	0	0	0	0	0	0	0	4	4	10	7	48	43	30	39	7	0	0	0	0	0	0	0	0	8
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	7	15	38	1	0	0	0	5	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	9	5	0	0	0	0	0	29	1	21	2	0	0	0	2	2	31	39	7
MEAN	0	0	0	1	1	0	1	1	2	1	1	3	5	4	2	5	1	1	1	0	1	1	2	2	1.4

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71001

29 HILLCREST AVE WAWA

MONTH - NOV 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	20	67	20	5	1	5	10	6	1	3	14	6	13	15	4	5	50	4	0	0	0	0	0	10
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	2	1	1	2	2	98	36	46	50	40	34	23	29	0	0	0	0	0	0	0	0	0	0	15
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	6	3	64	45	61	2	0	0	0	0	0	2	2	0	0	0	0	0	0	0	9	14
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	58	13	18	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	6	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	17	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	2	25	0	30	29	30	6	12	0	0	0	0	4	6	2	2	2	1	1	1	1	8
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	2	3	2	3	6	5	3	2	2	2	1	1	1	7	4	1	0	0	1	0	2	1	2.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71001

29 HILLCREST AVE WAWA

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	9	8	1	1	1	2	2	2	3	5	****	0	1	1	1	1	1	1	1	1	1	1	1	1	2	
2	0	0	0	0	0	***	***	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	1	6	15	****	40	35	44	36	20	8	0	35	37	23	0	0	28	14	
11	59	5	8	57	22	0	0	0	0	0	****	0	35	9	0	0	0	0	0	0	0	5	1	0	9	
12	0	0	0	0	0	0	0	0	0	0	0	****	0	8	6	5	5	0	78	4	5	0	0	5	5	
13	0	0	0	2	4	3	4	5	9	6	0	12	1	0	0	0	0	0	0	24	18	11	17	0	0	
14	36	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	102	96	0	10	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	13	0	0	0	2	
18	0	0	4	5	3	2	2	1	9	11	9	6	6	15	****	0	0	0	2	0	4	6	0	0	4	0
19	4	22	29	35	0	1	12	8	11	42	4	0	0	0	0	0	0	4	70	132	45	2	3	1	18	
20	0	0	0	0	0	0	0	0	3	2	6	2	0	0	****	0	0	0	0	0	0	0	0	0	0	0
21	0	10	2	0	0	0	0	9	16	****	13	3	0	0	0	0	0	0	0	0	1	2	1	1	3	
22	0	1	3	3	2	1	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	2	1	
23	1	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	
MEAN	4	2	2	3	1	0	1	1	2	3	1	2	4	3	2	1	0	0	6	7	4	4	4	1	2.4	

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71001 29 HILLCREST AVE WAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.1	26	132
FEB	29	0.9	7	64
MAR	26	0.8	10	74
APR	28	0.7	4	27
MAY	31	0.4	3	34
JUN	30	0.2	3	27
JUL	31	0.3	1	48
AUG	31	0.2	1	25
SEP	30	1.3	17	87
OCT	31	1.4	13	70
NOV	30	2.1	17	186
DEC	31	2.4	18	132
YEAR	359	1.1	26	186

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71001 29 HILLCREST AVE WAWA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	688	10	6	5	2	4	2	5	722		
FEB	695	6	4	1	0	0	1	3	670		
MAR	604	6	2	1	3	1	0	2	619		
APR	651	11	7	3	1	1	0	0	674		
MAY	699	6	1	0	2	2	0	0	710		
JUN	705	5	1	2	0	1	0	0	714		
JUL	726	0	0	1	1	1	1	0	730		
AUG	721	5	1	0	2	0	0	0	729		
SEP	673	7	6	3	3	4	4	6	704		
OCT	676	11	2	7	3	10	3	3	715		
NOV	671	10	7	5	2	8	4	8	715		
DEC	652	20	10	4	5	9	4	7	711		
YEAR	8121	97	47	32	24	39	19	34	8413		

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.8	0	0.0	0.0	0.0	0.0	0.7	2.8	12.8	29.0	186	1.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE																MONTH - JAN 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	0	1	1	0	0	2	5	3	3	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	1	1	2	0	0
4	1	1	1	1	3	0	1	1	2	3	0	0	1	0	0	0	0	0	2	2	1	1	1	1	1
5	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1	3	4	2	2	0	1
6	1	1	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	8	7	12	12	13	8	2	1	0	3
8	1	1	0	0	0	2	2	1	1	1	1	1	1	1	1	1	1	0	1	3	1	1	1	0	1
9	0	0	0	0	0	0	0	0	0	1	1	0	0	2	7	4	2	0	0	1	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	0	0
11	0	0	1	1	1	0	1	1	3	0	0	0	0	0	2	1	2	3	9	10	7	3	2	0	2
12	0	0	0	0	2	1	1	1	1	2	0	0	0	0	0	1	2	7	3	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	1	7	4	4	3	1	2	1	0	0	0	0	0	0	0	0	1	1	2	0	1
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	0	0	0	1	2	1	1	2	0	0	0	0	0	0	1	0
18	1	1	0	0	0	1	2	5	2	1	1	1	1	1	2	1	2	1	0	0	0	0	0	0	0
19	1	6	4	4	1	1	9	8	5	7	10	6	7	4	4	3	3	8	11	4	3	2	0	0	5
20	0	0	0	0	0	0	0	0	0	1	1	1	0	1	5	7	8	4	6	3	1	1	2	0	2
21	1	0	6	2	2	1	0	0	1	1	1	2	1	1	0	0	0	0	0	1	1	0	2	0	1
22	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	4	3	3	1	0	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	1	1	0	0	1	1	2	1	1	1	2	2	2	2	1	1	4	5	6	5	6	0	2
25	2	1	2	1	1	0	0	0	0	0	0	0	1	1	2	0	0	1	0	0	0	0	0	0	1
26	1	0	0	0	0	0	1	1	1	2	2	1	1	1	2	0	0	0	0	0	1	10	0	0	1
27	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0
28	0	0	1	1	1	1	2	3	2	1	1	1	1	1	1	1	3	1	1	0	1	1	3	0	0
29	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
30	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
31	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	0	1	0	0	0	1	1	1	0	1
MEAN	0	0	1	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	0	1.0

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE																MONTH - FEB 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	3	6	6	5	2	2	1	1	0	0	0	1	0	1	1	1	2	0	1
2	1	1	3	3	2	2	3	4	3	4	2	2	1	1	1	1	0	0	0	0	1	1	1	1	2
3	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	0	0
4	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	0	0	0	0	0	1	1	2	0	1
5	2	4	2	2	3	3	3	6	8	5	3	1	1	1	1	1	1	1	2	3	3	4	4	0	3
6	3	3	2	1	1	1	1	2	5	3	1	1	1	1	1	2	1	1	0	0	0	1	1	0	1
7	3	2	1	0	0	0	1	1	1	1	0	1	1	0	1	1	1	0	0	0	0	1	1	0	1
8	1	1	2	2	1	1	3	8	5	4	2	2	1	1	2	1	1	1	0	0	1	1	1	0	2
9	3	4	5	5	4	3	2	3	5	5	2	1	1	2	1	1	0	0	0	0	0	0	1	0	2
10	3	3	3	3	2	2	2	2	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	2
11	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	1	0	1	1	0	1
12	1	1	1	0	0	0	1	4	5	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	8	0	1
14	1	0	2	1	0	0	0	1	1	0	1	0	0	0	3	1	2	2	4	2	1	0	6	0	1
15	6	7	4	0	0	0	0	1	2	2	2	2	1	1	1	1	0	0	0	1	0	1	0	0	1
16	1	0	1	1	1	1	1	2	2	1	1	1	1	1	1	0	1	1	0	0	0	1	1	0	1
17	0	0	0	0	0	0	0	1	1	2	7	10	5	4	2	3	1	1	0	0	0	0	0	0	2
18	0	0	0	0	0	0	0	2	4	2	1	2	1	1	1	1	1	1	1	0	0	0	0	0	1
19	0	0	0	0	0	0	0	1	1	4	3	1	1	1	1	1	1	1	1	1	0	0	1	0	1
20	0	0	0	0	0	0	1	3	1	1	1	1	1	4	6	2	1	1	1	1	1	0	0	0	1
21	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1
22	1	3	2	2	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	1
23	3	4	2	8	2	1	0	0	0	1	2	1	2	2	2	1	2	1	1	1	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	3	8	11	8	5	6	8	5	5	8	9	9	3	3	0	4
25	1	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
26	2	3	3	3	4	3	3	3	3	2	2	1	1	1	1	0	1	0	1	0	0	0	1	0	2
27	4	1	1	4	2	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	1	1	1	0	1
28	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	0	1
29	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	3	1	0	1	1	3	1	2	0	1
MEAN	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1.3

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE															MONTH - MAR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	1	2	3	4	2	2	1	1	1	1	0	0	0	0	0	2	3	2	****	
2	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	****	0
3	1	1	2	2	3	2	3	6	5	4	3	2	2	1	1	1	1	1	1	0	0	0	0	****	2
4	1	4	4	5	2	3	2	2	3	7	7	6	3	1	2	3	4	5	2	1	1	1	1	****	3
5	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	3	2	0	1	3	8	6	****	1
6	2	1	1	2	1	0	0	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	****	1
7	1	0	0	1	0	1	1	1	1	1	0	0	-	-	-	-	-	-	-	-	-	-	-	*****	
8																- DATA UNAVAILABLE -									
9																- DATA UNAVAILABLE -									
10																- DATA UNAVAILABLE -									
11																- DATA UNAVAILABLE -									
12																- DATA UNAVAILABLE -									
13																- DATA UNAVAILABLE -									
14																- DATA UNAVAILABLE -									
15																- DATA UNAVAILABLE -									
16																- DATA UNAVAILABLE -									
17																- DATA UNAVAILABLE -									
18																- DATA UNAVAILABLE -									
19																- DATA UNAVAILABLE -									
20																- DATA UNAVAILABLE -									
21																- DATA UNAVAILABLE -									
22																- DATA UNAVAILABLE -									
23																- DATA UNAVAILABLE -									
24																- DATA UNAVAILABLE -									
25																- DATA UNAVAILABLE -									
26																- DATA UNAVAILABLE -									
27																- DATA UNAVAILABLE -									
28																- DATA UNAVAILABLE -									
29																- DATA UNAVAILABLE -									
30																- DATA UNAVAILABLE -									
31																- DATA UNAVAILABLE -									
MEAN	1	1	1	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	0	1	2	2	****	1.3

PERCENTAGE OF DATA VALID - 20.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 79.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	5	13
FEB	29	1.3	4	11
MAR	6	1.3	3	8
YEAR	66	1.1	5	13



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	684	24	4	0	0	0	0	0	0	0	0	0	712
FEB	644	22	1	0	0	0	0	0	0	0	0	0	667
MAR	144	6	0	0	0	0	0	0	0	0	0	0	150
YEAR	1472	52	5	0	0	0	0	0	0	0	0	0	1529

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT OF	95	99	MAX	ARITH MEAN
70.0	0	0.0	0.0	0.2	0.8	2.5	4.2	7.0	7.9	13	1.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71049 LAND REG OFFICE QUEEN ST SAULT STE MARIE

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
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26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 32.4

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 65.7

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ".\*" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71049 LAND REG OFFICE QUEEN ST SAULT STE MARIE															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
4	0	0	0	0	0	0	0	1	2	1	1	1	0	1	1	0	0	1	0	1	0	1	0	1	0
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	1	0	0	1	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
20	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0
21	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	1	1	0	0	0
26	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	0	0	1	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71049 LAND REG OFFICE QUEEN ST SAULT STE MARIE															MONTH - JUL 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0.0000	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	2	1	0	0	0	0	1	0
2	0.0000	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
4	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0.0000	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0.0000	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
7	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9	0.0000	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
10	1.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
13	0.0000	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
15	0.0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 76.1

PERCENTAGE OF DATA INVALID - 23.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION														
	STATION - NE NO 71049					LAND REG OFFICE QUEEN ST. SAULT STE MARIE					MONTH - SEP 80														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
10	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1
11	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	2	0	0
19	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0
21	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	1	2	3	3	5	1	2	1	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*-\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 71049		LAND REG OFFICE QUEEN ST SAULT STE MARIE												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3	4	1	0	1
2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	1	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	1	1	2	2	2	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	3	1	0	0	0
21	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	2	2	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	2	0	1	1	1	1	1	2	3	3	2	3	1	3	***	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	4	2	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	2	2	2	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	2	4	3	2	2	1	1	1	1	1	1	1	***	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 71049		LAND REG OFFICE QUEEN ST SAULT STE MARIE												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	4	1	1	1	2	2	0	0	0	1
6	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	2	3	4	2	1	1	1	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	*****	*****	*****	*****	*****	*****	*****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS-MILLION										
STATION - NE NO 71049 LAND REG OFFICE QUEEN ST. SAULT STE MARIE															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0
10	0	1	2	4	3	3	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	0	0	2	2	2	2	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	1	0	0
18	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0
21	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE				UNITS - 0.01 PARTS/MILLION			
STATION - NE NO 71049 LAND REG OFFICE QUEEN ST. SAULT STE MARIE							
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING			
JAN		DATA UNAVAILABLE					
FEB		DATA UNAVAILABLE					
MAR		DATA UNAVAILABLE					
APR		DATA UNAVAILABLE					
MAY	10	0.2	1			8	
JUN	30	0.1	1			2	
JUL	24	0.1	0			3	
AUG	31	0.0	0			1	
SEP	30	0.2	2			5	
OCT	31	0.2	1			4	
NOV	30	0.2	1			5	
DEC	31	0.1	1			4	
YEAR	217	0.1	2			8	



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71049 LAND REG OFFICE QUEEN ST SAULT STE MARIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	DATA UNAVAILABLE										
FEB	DATA UNAVAILABLE										
MAR	DATA UNAVAILABLE										
APR	DATA UNAVAILABLE										
MAY	240	1	0	0	0	0	0	0	0	0	241
JUN	690	0	0	0	0	0	0	0	0	0	690
JUL	566	0	0	0	0	0	0	0	0	0	566
AUG	743	0	0	0	0	0	0	0	0	0	743
SEP	712	0	0	0	0	0	0	0	0	0	712
OCT	741	0	0	0	0	0	0	0	0	0	741
NOV	713	0	0	0	0	0	0	0	0	0	713
DEC	743	0	0	0	0	0	0	0	0	0	743
YEAR	5148	1	0	0	0	0	0	0	0	0	5149

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
87.6	0	0.0	0.0	0.0	0.0	0.0	0.7	1.1	1.7	8	0.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	2	1	1	1	1	2	4	8	9	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	15	12	4	0	0	0	0	0	0	0	0	0	0	0	1
10	3	7	9	5	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	2	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	4	10	13	5	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0
24	3	3	9	15	4	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	3	20	15	20	5	3	2	2	0	0	0	0	0	0	3
26	1	7	14	11	9	7	4	3	2	2	1	8	31	17	8	2	3	3	2	2	4	7	0	0	6
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	1	0	34	38	14	1	0	0	0	0	0	0	4
MEAN	0	1	1	1	1	1	1	1	1	0	1	2	2	2	2	2	2	1	1	0	0	1	1	0	1.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	34	32	26	9	3	3	2	2	1	1	1	5
2	0	0	0	0	0	0	0	0	0	0	0	0	23	64	71	45	31	3	0	0	0	0	0	0	10
3	0	0	0	0	0	0	0	0	0	0	1	1	0	3	28	27	2	0	0	22	8	17	1	5	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	2	8	4	1	6	0	0	0	0	0	0	0	0	1
8	0	0	0	0	1	1	1	1	0	0	1	1	2	5	2	4	5	0	0	0	0	0	0	0	1
9	0	0	0	0	1	1	1	1	1	1	1	1	4	1	4	3	3	3	2	2	1	1	1	1	1
10	1	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	1	3	4	7	2	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	3	4	1	1	2	1	3	3	2	1	1	1	0	1
16	2	9	1	28	18	21	49	70	86	76	24	55	4	1	0	0	0	0	0	0	0	0	0	0	19
17	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	1	3	4	1	1	1	1
23	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	46	46	18	12	8	3	1	6	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	6	10	15	28	7	2	1	1	1	1	1	1	1	1	1	1	1	4
28	- DATA INVALID -																								
29	- DATA INVALID -																								
MEAN	0	0	0	1	1	1	2	3	4	3	2	3	2	5	5	3	2	2	2	2	1	1	0	0	2.0

PERCENTAGE OF DATA VALID - 92.0 PERCENTAGE OF DATA INVALID - 8.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION															MONTH - MAR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1															- DATA INVALID -										
2															- DATA UNAVAILABLE -										
3															- DATA INVALID -										
4															- DATA INVALID -										
5															- DATA INVALID -										
6															- DATA INVALID -										
7	0	0	0	0	0	0	0	0	0	5	14	3	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	25	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	4	1	1	2	1	0	0	0	17	24	0	2	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	32	35	7	2	1	4	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	4	14	38	45	63	03	26	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	1	2	2	1	1	2	2	3	3	1	0	0	0	0	0	1	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS MILLION										
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION															MONTH - APR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	6	8	13	11	21	6	3	4	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	22	3	0	0	3	4	0	0	3	13	20	13	2	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	6	3	1	0	0	0	0	0	0	0	1	11	5	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	8	3	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	2	2	1	1	0
21	3	6	7	8	6	5	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	5	22	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
MEAN	2	2	1	1	1	1	0	1	0	1	2	1	1	1	2	1	1	0	1	3	3	4	2	1	1.3

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION															MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	25	0	0	6	20	5	0	0	10	9	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	8	3	1
14	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	1	1	3	8	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	7	0	18	19	6	1	0	0	0	0	0	0	0
MEAN	1	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0.4



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS MILLION											
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION														MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	5	5	3	1	0	1	1	0	0	0	0	0	0	0	0	1
5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	3	4	0	0	10	1	2	28	32	31	42	7	23	14	34	30	11
8	0	0	0	12	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	1	13	25	4	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	2	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	2	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	11	3	4	1	4	0	5	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	2	2	2	0	1	0	1	30	0.6

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION														MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	2	2	0	1	1	2	1	1	1	0	4	0	0	0	0	0	1
5	0	0	0	0	0	0	0	5	3	8	0	0	0	0	0	0	0	1	7	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	3	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	1	3	6	7	8	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	2	1	1	1	1	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	1	3	4	4	5	2	1	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION																		
STATION - NE NO 71057										MICHIPICOTEN AV LOT 38, TOWN OF MISSION										MONTH - AUG 80								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9	0	0	0	0	0	0	0	0	10	16	7	1	1	1	0	0	0	0	0	0	0	0	0	0	2			
10	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	0	0	0	0	1	1	1	0	10	0	0	0	0	0	0	0	0	6	30	0	0	0	0	0	2			
15	0	0	0	0	0	2	1	3	10	32	37	20	12	0	4	0	0	0	11	11	2	1	0	0	6			
16	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0			
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0.3			

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION																		
STATION - NE NO 71057										MICHIPICOTEN AV LOT 38, TOWN OF MISSION										MONTH - SEP 80								
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0			
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0			
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	0	0	0	0	0	0	0	0	0	10	6	3	3	0	0	0	0	0	0	0	0	0	0	0	1			
18	1	6	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	0	1			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0	0	0	0	10	17	14	19	0	0	0	0	0	0	0	0	3			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	51	0	3			
26	7	7	0	2	5	0	0	0	28	3	0	24	12	4	0	0	0	0	0	0	0	0	0	0	4			
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
28	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0.4			

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN



POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 71057										MICHIPICOTEN AV LOT 38, TOWN OF MISSION										MONTH - OCT 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	2	1	6	0	0	0	0	0	0	1	1	16	0	0	0	0
3	1	11	13	7	59	19	3	1	3	3	13	13	2	2	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
11	4	3	1	1	0	0	0	0	4	0	0	2	4	0	19	27	37	23	23	24	29	32	33	****	12
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
27	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	0	2	1	0	0	0	0	1	1	0	0	1	1	2	1	1	1	2	1	1	0	0.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 71057										MICHIPICOTEN AV LOT 38, TOWN OF MISSION										MONTH - NOV 80					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	1	1	35	14	1	14	1	2	2	16	18	19	17	11	0	0	1	1	1	1	1	7
8	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	5	1	1	1	0	0	0	1	1	0	0	1	0	0	0	0	0
10	0	6	6	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	13	3	17	9	2	37	57	19	8	9	5	2	2	2	2	2	2	2	2	8
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	5	2	3	4	1	2	2	7	19	1	4	15	22	1	1	1	1	1	1	1	1	4
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	71	59	55	20	20	
24	8	1	2	8	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	13	34	0	0	0	
29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	2	1	1	1	0	2	3	1	1	2	2	1	0	1	3	3	3	1	1	1.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION										MONTH - DEC 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	3	3	5	6	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	2	5	5	8	15	16	10	3	2	1	1	1	1	1	1	1	1	1	3
11	0	0	0	0	0	0	0	3	5	9	13	10	10	4	2	0	0	0	0	0	0	0	1	---	3
12	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	32	21	17	20	8	4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	12	21	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
16	0	0	0	0	0	0	0	1	2	2	2	2	2	2	---	1	1	1	1	1	1	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	1	1	1	3	3	5	6	6	3	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	---	0
20	2	2	2	2	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
23	1	1	3	4	0	0	0	0	0	0	18	20	44	21	15	3	2	1	0	0	1	2	3	17	7
24	1	1	1	2	3	4	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	1	0.9

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "-----" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "0" INDICATES DATA IS UNAVAILABLE

3. "-----" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	6	38
FEB	27	2.0	19	86
MAR	25	0.8	11	83
APR	30	1.3	8	42
MAY	31	0.4	4	25
JUN	30	0.6	11	42
JUL	31	0.2	1	9
AUG	31	0.3	6	37
SEP	30	0.4	4	51
OCT	31	0.8	12	59
NOV	30	1.2	11	71
DEC	31	0.9	7	44
YEAR	358	0.8	19	86



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71057 MICHIPICOTEN AV LOT 38, TOWN OF MISSION

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	704	18	11	5	0	3	0	0	0	0	0	0	741
FEB	603	10	2	3	4	8	4	6	0	0	0	0	640
MAR	586	2	2	1	2	4	1	2	0	0	0	0	600
APR	664	17	7	7	5	6	2	0	0	0	0	0	708
MAY	692	10	2	3	2	0	0	0	0	0	0	0	709
JUN	676	2	5	0	2	5	1	0	0	0	0	0	691
JUL	720	6	0	0	0	0	0	0	0	0	0	0	726
AUG	729	4	3	2	0	3	0	0	0	0	0	0	741
SEP	705	6	2	2	1	1	0	0	0	0	0	0	718
OCT	721	2	4	3	3	5	0	0	0	0	0	0	739
NOV	682	9	6	9	1	4	0	0	0	0	0	0	715
DEC	709	9	4	7	3	1	1	0	0	0	0	0	734
YEAR	8191	95	48	42	23	40	9	14	0	0	0	0	8462

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.3	0	0.0	0.0	0.0	0.0	0.5	2.3	10.8	20.3	66	0.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WAWA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	2	0	7	17	5	6	4	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	51	0	82	88	5	23	107	64	16	3	18	71	13	18	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	2	3	7	8	0	0	0	1	3	8	15	3	0	0	0	0	1	4	24	4	0	0	0	0	0
20	0	4	5	1	2	1	1	1	3	2	0	0	0	2	0	0	0	0	6	22	8	5	2	2	3
21	1	1	1	0	0	8	3	2	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	13	3	0	0	0	0	0	1	2	2	0	0	0
24	0	0	0	0	0	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	2	0	0	0	0	0	1	0	0	0	0	27	18	0	0	0	0	0	0	0	0	0	0	3
26	10	13	9	5	2	2	1	1	0	2	36	43	23	12	8	5	4	4	3	0	0	0	0	0	8
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	8	8	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	2	1	4	4	1	1	4	3	2	2	3	4	3	2	1	0	0	1	2	7	3	0	0	2	2.2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WAWA													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	4	10	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	20	8	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	2	4	2	0	0	0	0	0	0	0	0	0	4	2	0	0	0	1
8	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	39	69	16	4	4	4	5	7	5	7
10	4	3	3	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	156	2	8
14	0	0	0	0	2	2	0	2	0	0	0	17	30	4	2	0	0	0	0	0	0	0	0	1	4
15	0	0	0	0	0	0	0	2	2	0	0	4	15	23	5	2	0	2	3	4	3	7	11	5	4
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	3	0	0	0	0	0	0	3	1
17	3	2	2	3	3	5	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	4	4	0	0	0	0	0	1	5	5	3	0	0	2	5	6	4	2
23	4	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	2	3	3	1	1	1	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	2	0	2	0	0	0	0	5	5	1	0	0	2	0	0	0	2	2	2	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	1	1	0	1	2	1	1	3	3	1	0	0	0	3	6	1	1.1

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION														
STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WAWA													MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	9	3	0			
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	1	2	3	2	2	0	16	3	0	0	0	0	0	0	0	0	0	0	0	1		
8	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	2	2	0		
9	1	1	0	0	3	6	6	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	- DATA INVALID -																										
12	- DATA INVALID -																										
13	- DATA INVALID -																										
14	- DATA INVALID -																										
15	- DATA INVALID -																										
16	- DATA INVALID -																										
17	- DATA INVALID -																										
18	- DATA INVALID -																										
19	- DATA INVALID -																										
20	- DATA INVALID -																										
21	- DATA INVALID -																										
22	- DATA INVALID -																										
23	- DATA INVALID -																										
24	- DATA INVALID -																										
25	- DATA INVALID -																										
26	- DATA INVALID -																										
27	- DATA INVALID -																										
28	- DATA INVALID -																										
29	- DATA INVALID -																										
30	- DATA INVALID -																										
31	- DATA INVALID -																										
MEAN	0	0	0	0	0	1	1	1	1	0	0	2	1	0	0	0	0	0	0	0	0	1	1	0	0.4		

PERCENTAGE OF DATA VALID - 30.6

PERCENTAGE OF DATA INVALID - 69.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - ASC NO 71058		SIR JAMES DUNN PUBLIC SCHOOL, WANA												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
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21																									
22																									
23																									
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	2	4	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 25.1

PERCENTAGE OF DATA INVALID - 28.1

PERCENTAGE OF DATA UNAVAILABLE - 46.8

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - ASC NO 71058		SIR JAMES DUNN PUBLIC SCHOOL, WANA												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	3	0
3	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	11	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	7	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
11	0	0	0	0	0	0	0	0	3	9	3	9	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	3	2	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	7	2	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
18	1	1	1	2	1	2	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0
20	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	1	1
24	2	2	2	1	1	2	4	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
29	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	4	0	0	1	1	1	1	0	0	0	0	0	0	0	5	3	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0.4

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WAWA												MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	2	16	2	1	1	1	1	1	1	1	1	1	29
5	33	11	3	2	2	9	3	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	17	2
19	6	9	8	3	2	2	3	3	3	2	2	2	0	0	0	0	0	0	0	0	1	1	1	1	2
20	0	0	0	0	0	0	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
22	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	26	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	5	0	0	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
29	0	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	0	1	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0.4

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WAWA												MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	2	2	3	20	30	3	1	0	0	0	0	0	0	0	0	0	0	0	0	3
5	0	0	0	0	0	0	0	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	9	7	1
27	2	1	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	2	3	4	2	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	2	39	25	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3
31	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - ASC NO 71058													SIR JAMES DUNN PUBLIC SCHOOL, WARRA												
													MONTH - AUG 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	39	0	0	2
9	0	0	0	0	0	0	0	15	5	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	34	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	3	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	4	2	0	0	0	0	0	0	0	0	25	6	0	0	0	0	0	0	0	0	0	0	0	0	2
MEAN	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.3

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - ASC NO 71058													SIR JAMES DUNN PUBLIC SCHOOL, WAWA												
													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	25	5	0	0	0	0	0	69	47	6	5	4	16	4	0	0	0	0	0	0	0	0	0	0	8
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	14	5	10	28	2	0	0	0	2	3
10	10	2	24	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	3	5	0	0	0	0	15	0	2	1	1	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5	0	0
17	0	0	0	0	0	0	0	0	0	0	5	20	15	0	0	0	0	0	0	0	0	0	0	3	2
18	4	4	22	27	12	9	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	17	2	2	1	1	1	0	0	1
27	0	0	0	0	0	0	0	0	0	54	28	30	23	47	56	8	75	5	0	0	0	0	1	10	14
28	38	0	0	0	0	0	0	9	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	5	15	0	7	0	0	0	0	2
MEAN	3	0	2	2	1	0	0	3	2	3	2	2	2	2	2	1	3	1	1	0	0	0	0	1	1.4



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - ASC NO 71058		SIR JAMES DUNN PUBLIC SCHOOL, WAWA												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	14	1
2	1	18	12	2	13	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	2	9	1	2	1	3	1	1	1	1	1	1	2	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7
10	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5	0	1
11	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	3	7	7	13	24	16	4	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	0	0	18	3	0	36	10	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	54	13	4	7	2	11	34	2	6
22	4	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	12	5	0	0	0	12	0	4	1	0	0	0	0	0	0	0	0	1
24	0	3	0	0	0	7	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	1	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	2	28	59	54	9	1	0	0	0	0	0	0	0	8
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	25	32	0	0	0	0	0	0	4
29	0	0	0	0	0	0	0	0	0	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	12	0	18	9	0	0	0	0	15	3	0	0	0	4	1	0	0	0	0	3
31	0	2	3	0	0	51	24	0	0	****	0	0	0	98	4	71	32	22	4	0	25	68	74	20	22
MEAN	0	1	1	2	1	3	4	2	2	1	3	3	2	7	2	4	4	2	0	0	2	3	4	1	2.3

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION																									
STATION - ASC NO 71058													SIR JAMES DUNN PUBLIC SCHOOL, WAWA													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN													
1	1	3	11	6	0	0	0	6	0	0	0	0	6	3	2	0	13	20	8	0	0	0	0	0	3													
2	1	0	0	0	0	0	0	0	0	2	5	1	1	1	0	0	0	0	0	1	1	0	0	0	1													
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	53	5	0	1	4	2	37	55	10													
5	0	0	0	0	6	3	36	40	30	19	46	55	37	21	0	0	0	0	0	0	0	0	0	0	13													
6	0	0	0	0	0	0	0	0	1	2	3	4	1	0	0	0	0	0	0	0	0	0	0	0	1													
7	0	0	9	6	5	5	9	12	4	4	0	6	3	4	4	13	1	1	0	0	0	0	0	0	4													
8	0	0	0	0	2	2	2	2	2	25	5	1	2	0	1	2	1	1	0	0	0	0	0	0	2													
9	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
10	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0													
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0													
12	0	0	0	0	0	0	1	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
14	0	0	0	0	0	5	14	103	53	0	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0													
15	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1													
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
17	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1													
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	8	3	2	0	0	0	0	1													
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
25	0	0	0	0	0	0	0	0	0	0	5	17	6	0	0	0	0	0	0	0	0	0	0	0	1													
26	0	0	0	0	0	13	10	10	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3													
27	0	0	0	0	0	11	20	14	4	2	11	14	15	17	15	9	7	0	4	1	1	0	0	0	6													
28	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
29	0	0	0	0	0	2	0	1	3	13	29	35	15	0	0	0	2	7	0	0	0	0	0	0	4													
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
MEAN	1	0	1	0	1	1	3	7	4	3	4	4	3	2	1	3	4	1	1	0	0	0	1	2	2.0													

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WAWA														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	12	9	3	0	3	7	4	7	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	14	9	5	7	6	1	0	0	0	0	0	0	0	16	7	3
4	11	19	17	20	11	20	14	13	17	7	2	***	2	4	3	1	0	0	0	0	0	0	0	0	6
5	0	17	0	20	37	44	5	0	1	0	0	0	0	0	4	3	0	0	0	0	0	0	11	0	1
6	0	0	0	0	0	0	0	3	7	1	0	0	0	0	7	1	0	0	0	0	0	0	0	3	1
7	0	1	2	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4	0
9	0	0	0	0	4	3	11	7	9	20	4	1	2	4	0	0	0	0	0	0	0	0	0	0	3
10	0	0	0	0	0	0	0	0	0	0	0	25	15	39	55	39	19	1	48	77	4	0	0	0	13
11	5	21	1	13	51	0	0	9	8	6	8	38	43	14	78	1	0	6	1	3	1	3	0	5	13
12	1	17	24	22	19	8	3	3	0	5	8	5	14	13	9	8	5	0	71	6	0	0	0	0	10
13	0	0	0	5	7	5	15	15	16	33	2	16	20	0	0	0	0	0	0	0	27	4	22	1	1
14	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	2	0	3
15	9	5	1	0	0	0	0	0	10	14	9	9	0	0	0	0	0	0	0	0	0	0	0	0	2
16	0	2	2	3	0	0	1	1	1	1	2	2	2	2	2	0	0	5	4	0	0	9	12	7	2
17	5	8	10	4	8	3	5	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	2
18	0	0	3	5	20	24	22	14	2	10	14	21	10	15	7	8	3	1	0	0	0	0	0	0	7
19	3	1	2	40	42	9	4	14	9	12	31	25	0	0	0	0	0	70	50	59	29	9	15	8	18
20	1	2	9	9	10	19	12	14	27	37	14	8	0	0	0	0	0	0	0	0	0	45	23	51	12
21	9	3	0	77	28	77	83	100	35	68	39	8	0	0	0	0	0	0	2	4	7	9	23	9	24
22	6	9	9	7	10	8	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
23	13	15	5	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	- DATA INVALID -														.....										.....
25	- DATA INVALID -														.....										.....
26	- DATA INVALID -														.....										.....
27	- DATA INVALID -														.....										.....
28	- DATA INVALID -														.....										.....
29	- DATA INVALID -														.....										.....
30	- DATA INVALID -														.....										.....
31	- DATA INVALID -														.....										.....
MEAN	3	6	4	10	11	10	8	9	7	10	6	7	5	4	8	3	1	4	6	7	3	6	6	4	6.3

PERCENTAGE OF DATA VALID - 72.7

PERCENTAGE OF DATA INVALID - 27.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - ASC NO 71058

SIR JAMES DUNN PUBLIC SCHOOL, WAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.2	24	196
FEB	29	1.1	8	156
MAR	9	0.4	1	16
APR	7	0.1	1	4
MAY	31	0.4	2	51
JUN	30	0.4	3	33
JUL	31	0.3	3	39
AUG	31	0.3	2	39
SEP	30	1.4	14	75
OCT	31	2.3	22	98
NOV	29	2.0	13	103
DEC	22	6.3	24	100
YEAR	311	1.5	24	196



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - ASC NO 71058 SIR JAMES DUNN PUBLIC SCHOOL, WANA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	TOTAL
JAN	689	24	7	6	4	2	1	9	742			
FEB	671	8	2	3	3	3	0	2	692			
MAR	224	3	0	1	0	0	0	0	228			
APR	181	0	0	0	0	0	0	0	181			
MAY	729	10	1	0	0	0	0	1	741			
JUN	703	9	1	2	0	3	0	0	718			
JUL	734	4	0	1	1	2	0	0	742			
AUG	732	4	3	0	1	2	0	0	742			
SEP	680	13	8	3	4	6	2	4	720			
OCT	682	15	13	6	8	8	0	11	743			
NOV	640	17	17	6	3	6	2	6	697			
DEC	393	56	29	18	11	13	7	14	541			
YEAR	7058	163	81	46	35	45	12	47	7487			

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.2	0	0.0	0.0	0.0	0.0	1.6	6.6	19.1	35.0	196	1.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75010 OPP STATION NORTH BAY

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	1	1	0	0	****	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0	
4	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	2	2	1	1	1	1	1	
5	1	1	0	0	0	1	2	2	3	2	2	1	1	1	2	0	0	0	0	0	0	1	1	1	1	
6	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	
8	0	1	1	2	1	0	1	1	1	1	0	1	3	2	2	1	1	1	1	2	1	1	0	0	1	
9	1	3	0	0	0	0	1	1	2	2	1	1	0	1	2	1	1	2	2	3	2	1	1	1	1	
10	1	1	1	1	1	1	0	1	2	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
11	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	
12	0	0	0	0	0	0	0	2	3	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	
13	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	
14	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
15	1	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
18	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1	2	3	3	2	1	1	1	0	0	
20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	10	11	7	2	1	1	1	2	
21	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	2	1	1	1	1	1	
22	1	1	1	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	1	1	2	4	5	4	1	
25	5	4	3	4	3	2	2	2	4	4	3	1	1	0	0	0	1	2	3	4	4	4	4	4	3	
26	1	0	1	1	0	0	0	1	1	1	1	1	0	0	1	1	1	1	2	2	1	1	1	1	1	
27	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	
28	0	0	0	0	1	0	0	1	1	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	
30	1	1	1	1	0	0	0	0	1	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	
31	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
MEAN	1	1	1	0	0	0	0	1	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS • 0.01 PARTS/MILLION

STATION - NE NO 75010 OPP STATION NORTH BAY

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
5	0	0	0	1	0	1	1	1	3	3	2	2	1	1	1	2	2	2	3	3	0	0	0	0	0
6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	1
8	3	3	2	1	2	1	2	2	4	4	2	2	2	5	1	0	0	0	0	0	0	0	2	2	2
9	1	3	4	3	2	2	2	2	1	2	2	2	1	0	0	0	0	1	1	1	2	2	1	1	1
10	1	1	1	1	1	1	1	0	1	2	2	1	2	1	0	0	1	1	1	2	2	1	1	1	1
11	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0
12	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
13	3	2	3	3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
14	1	1	1	1	1	1	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
15	1	1	1	1	0	0	0	0	1	1	0	0	0	1	1	1	1	0	1	0	1	0	0	0	0
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
17	0	1	1	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	3	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
21	1	1	1	1	0	0	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	3	3	1	6	3	0	0	1	1	1	0	0	0	0
25	0	0	0	1	1	3	5	4	2	1	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	1	1	2	2	2	3	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
27	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES: 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75010 OPP STATION NORTH BAY

MONTH - MAR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
2	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	C	1	1	1	1	1	1	1	1
3	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	1	1
6	0	1	2	3	6	2	1	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	3	1	1	0	0	0	0	0	0	0	0	1	2	1	1	2	1	1
8	1	1	1	1	0	0	2	3	1	1	4	0	0	0	0	0	0	0	1	2	1	1	1	1	1
9	1	2	2	1	1	1	1	1	1	3	4	3	1	1	3	4	2	1	0	0	1	0	1	1	1
10	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	:	:	:	:
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
16	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	7	3	1	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	2	1	3	2	3	5	4	7	3	1	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1
20	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	2	2	2
21	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	0	0	0	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	3	3	2	1	1
30	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "- " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 75010											OPP STATION NORTH BAY														
											MONTH - APR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	2	2	1	0	1
2	1	1	1	1	1	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	1	1	1	0	0	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	
6	0	0	0	1	2	2	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	
8	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
21	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	1	2	3	1	1	1	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 75010											OPP STATION NORTH BAY														
											MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0
5	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	0
11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0
12	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	0
26	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
30	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 75010												OPP STATION NORTH BAY													
MONTH - JUN 80												MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	0	0	0	1	1	3	2	1	1	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
11	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
12	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	0	0	0	0	0	0
14	0	0	0	0	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0
15	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
23	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
25	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	1	0	1	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 75010												OPP STATION NORTH BAY													
MONTH - JUL 80												MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	2	2	2	2	1
5	2	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	2	1	1	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	2	1	0	0
10	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0
11	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
13	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	2	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
19	- DATA INVALID -													- DATA INVALID -											
20	- DATA INVALID -													- DATA INVALID -											
21	- DATA INVALID -													- DATA INVALID -											
22	- DATA INVALID -													- DATA INVALID -											
23	- DATA INVALID -													- DATA INVALID -											
24	- DATA INVALID -													- DATA INVALID -											
25	- DATA INVALID -													- DATA INVALID -											
26	- DATA INVALID -													- DATA INVALID -											
27	- DATA INVALID -													- DATA INVALID -											
28	- DATA INVALID -													- DATA INVALID -											
29	- DATA INVALID -													- DATA INVALID -											
30	- DATA INVALID -													- DATA INVALID -											
31	- DATA INVALID -													- DATA INVALID -											
MEAN	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 75010											OPP STATION NORTH BAY														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	2	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 75010												OPP STATION NORTH BAY													
MONTH - OCT 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	2	1	1	2	2	2	2	4	1	3	3	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	3	1	0	2	2	0	0	0	0	0	0	0	0	0	1	1	3	2	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	2	***	1	1	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	1	3	4	3	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1	1	1	1	1	***	0
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	2	1	***	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 75010						OPP STATION NORTH BAY						MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	2	1	0	0	0	0
3	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	3	3	2	2	2	0	1
4	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
13	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	2	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0
19	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
20	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0
21	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
22	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
23	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	0	0	0	0	0	0
25	0	1	1	0	0	0	0	0	0	0	0	1	0	0	4	2	1	0	1	1	1	1	1	0	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	1	0	1	1	1	1	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 97.2      PERCENTAGE OF DATA INVALID - 2.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 75010												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0
2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	0	0	1	1
5	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	2	2	2	1	1	1
12	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
13	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
15	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0
16	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
18	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	2	3	3	4	3	2	1
20	2	2	2	2	2	2	2	2	2	2	2	1	1	1	0	0	2	3	3	2	2	2	2	2	2
21	2	2	1	2	2	2	1	3	2	2	1	0	3	3	3	4	4	4	3	3	3	3	3	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1
23	1	1	1	1	2	2	2	2	3	3	3	4	4	4	4	3	3	2	2	1	1	1	1	1	2
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
25	0	0	0	0	0	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0
27	0	0	1	2	2	3	3	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	1	1	1	2	2	3	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	1	2	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	1
30	1	1	2	2	2	1	1	0	0	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
MEAN	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.9      PERCENTAGE OF DATA INVALID - 0.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75010 OPP STATION NORTH BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	3	11
FEB	29	0.8	2	7
MAR	31	0.5	2	7
APR	30	0.2	1	4
MAY	31	0.2	1	3
JUN	30	0.2	1	3
JUL	17	0.4	-	?
AUG		DATA UNAVAILABLE		
SEP	30	0.1	0	3
OCT	31	0.2	1	4
NOV	30	0.3	1	4
DEC	31	0.7	2	4
YEAR	321	0.4	3	11

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75010 OPP STATION NORTH BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	725	2	1	0	0	0	0	0	728
FEB	677	2	0	0	0	0	0	0	679
MAR	736	2	0	0	0	0	0	0	738
APR	701	0	0	0	0	0	0	0	701
MAY	729	0	0	0	0	0	0	0	729
JUN	719	0	0	0	0	0	0	0	719
JUL	420	0	0	0	0	0	0	0	420
AUG		DATA UNAVAILABLE							
SEP	719	0	0	0	0	0	0	0	719
OCT	737	0	0	0	0	0	0	0	737
NOV	700	0	0	0	0	0	0	0	700
DEC	743	0	0	0	0	0	0	0	743
YEAR	7606	6	1	0	0	0	0	0	7613

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
94.7	0	0.0	0.0	0.0	0.0	0.8	1.2	2.0	2.7	11	0.4



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER													MONTH - JAN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	2	8	6	3	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1
6	2	3	3	2	3	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	2	2	1	1	0	0	0	0	0	C	1	1	2	2	2	1	1	1	1	1	1	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	1	1	1	1	1	1	1	1	0	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	6	1	1	C	0	1	1	1	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	3	2	3	4	2	1	0	0	0	1
15	0	0	0	0	0	0	0	0	1	3	3	2	1	1	1	1	1	1	1	0	0	0	0	0	1
16	0	1	1	0	1	1	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	0	0	0	0	0	0	0	C	0	1	0	0	0	0	0	0	0	0	0	0	0
19	0	1	0	0	0	0	0	0	1	1	2	2	2	2	1	2	1	1	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	12	8	5	2	0	0	0	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	7	3	1	1	1	1	1	1	1
22	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4	3	1	1	1	2	2	2	2	1
25	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	4	0	1	2	4	3	2	2	2	1
26	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	5	7	5	3	2	2	2	1
27	2	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	1	1	0	0	1	1	1	1	1
28	0	0	0	0	0	1	2	2	1	0	0	1	0	2	1	1	3	2	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0
7	...	7	4	2	1	1	1	1	1	0	0	0	0	0	0	2	2	9	7	2	1	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0
10	1	1	1	1	2	2	3	3	1	2	4	4	3	1	0	0	0	0	1	1	1	1	1	1	1
11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	4	3	3	2	2	2
13	1	1	1	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	0	0	0	0	0	0	0	1	1	6	1	3	3	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
19	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	0	1	1	3	3	2	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	1	2	2	1	2	2	1	0	1	3	1	3	1	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	2	4	3	9	5	3	1	1	2	3	2	2	1	1	2
27	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	
2	2	2	2	2	2	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	
6	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	1	1	1	1	1	8	5	1	1	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
9	0	0	0	0	0	0	0	1	1	1	3	3	4	4	2	1	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	1	1	0	1	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
12												DATA INVALID													
13	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	1	3	2	3	0	0	2	1	4	6	5	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	
20	1	1	2	1	1	1	1	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	
21	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	
30	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 4.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	3	3	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0
25	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER															MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	****	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
9																- DATA UNAVAILABLE -									
10																- DATA UNAVAILABLE -									
11																- DATA UNAVAILABLE -									
12																- DATA UNAVAILABLE -									
13																- DATA UNAVAILABLE -									
14																- DATA UNAVAILABLE -									
15																- DATA UNAVAILABLE -									
16																- DATA UNAVAILABLE -									
17																- DATA UNAVAILABLE -									
18																- DATA UNAVAILABLE -									
19																- DATA UNAVAILABLE -									
20																- DATA UNAVAILABLE -									
21																- DATA UNAVAILABLE -									
22																- DATA UNAVAILABLE -									
23																- DATA UNAVAILABLE -									
24																- DATA UNAVAILABLE -									
25																- DATA UNAVAILABLE -									
26																- DATA UNAVAILABLE -									
27																- DATA UNAVAILABLE -									
28																- DATA UNAVAILABLE -									
29																- DATA UNAVAILABLE -									
30																- DATA UNAVAILABLE -									
31																- DATA UNAVAILABLE -									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 23.8

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 76.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER												MAXIMUM READING		
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM									
JAN	31		0.5		2							12		
FEB	29		0.5		2							14		
MAR	30		0.3		1							8		
APR	30		0.1		0							3		
MAY	7		0.1		0							2		
YEAR	127		0.3		2							14		



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75016

VERNER PATROL YARD DOT VERNER

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	728	6	1	0	0	0	0	0	0	0	735
FEB	674	6	1	0	0	0	0	0	0	0	681
MAR	712	2	0	0	0	0	0	0	0	0	714
APR	717	0	0	0	0	0	0	0	0	0	717
MAY	177	0	0	0	0	0	0	0	0	0	177
YEAR	3008	14	2	0	0	0	0	0	0	0	3024

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION

50

70

90

PERCENT

95

98

99

MAX

ARITH  
MEAN

82.9 0 0.0 0.0 0.0 0.0 0.7 1.2 2.4 3.5 14 0.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77001

PENAGIE SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	2	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	5	3	3	8	11	7	3	2
5	2	2	3	1	1	1	1	1	1	4	2	3	7	17	0	0	0	0	2	3	2	9	29	9	4
6	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1	1	1	0	0	0	0	1	1	1	2
7	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	1	5	7	4	1	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	2	1	1	1	2	2	4	10	11	12	43	37	8	15	15	11	9	7	6	8
29	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77001		PENAGIE SUDBURY AIRSHED												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	3	10	8	9	9	5	3	4	2	1	1	1	0	0	0	0	1	1	0	0	2
7	6	3	3	3	3	3	3	2	2	2	4	2	1	1	1	1	0	0	0	0	0	0	0	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	1	1	1	1	0	0	1	2	4	23	34	1	1	1	2	4	4	4	4	4
10	4	4	4	3	2	2	2	2	3	3	2	4	4	4	4	4	4	3	2	2	2	2	2	1	3
11	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	0	0	1	1	1	1	1	6	8	14	1	1	1	5	5	7	7	2	1	1	0	0	3
22	1	1	1	1	0	0	0	0	0	0	0	12	23	19	13	25	16	3	1	1	1	0	0	0	5
23	0	0	0	0	0	1	1	1	1	3	10	3	1	3	2	2	2	2	2	1	1	1	1	1	2
24	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	0	0	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77001		PENAGIE SUDBURY AIRSHED												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	3	1	0	0	0	1	4	2	1	2	7	6	1	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	15	5	6	5	11	28	4	2	2	2	2	2	2	1	1	4
9	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	29	42	31	20	10	9	4	7
13	3	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	7	9	8	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	0	0	1	1	1	0	1	6	4	2	3	4	7	12	14	11	11	16	29	10	4	2	1	6
24	1	1	0	0	0	0	1	2	5	5	3	3	4	8	9	2	2	2	2	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	11	9	8	4	3	2	1	1	2	4	3	1	0	0	0	0	2	7	3	1	2	4	7	7	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	4	2	1	0	0	0	2	6	5	3	5	8	10	20	17	6	13	16	7	11	18	9	20	9	8
30	16	11	3	5	9	8	6	6	3	1	0	0	0	0	1	3	11	5	1	0	5	6	6	5	5
31	4	4	1	0	0	0	0	0	0	0	0	0	0	4	6	13	7	2	1	0	1	0	0	1	2
MEAN	2	1	1	1	1	0	1	1	1	1	1	1	1	2	2	1	2	2	3	3	2	2	2	1	1.4

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77001 PENAGE SUDBURY AIRSHED												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0
6	4	4	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
14	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	- DATA UNAVAILABLE -																								
16	- DATA UNAVAILABLE -																								
17	- DATA UNAVAILABLE -																								
18	- DATA UNAVAILABLE -																								
19	- DATA UNAVAILABLE -																								
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	2	4	2	1	3	7	15	13	1	0	0	0	1	0	0	2
27	0	0	0	0	0	1	2	1	2	3	4	2	2	2	1	1	1	1	0	3	6	7	5	3	2
28	3	3	2	2	2	1	0	0	0	0	0	1	1	3	6	5	4	4	2	1	0	0	0	0	2
29	0	0	0	0	0	0	2	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30	- DATA UNAVAILABLE -																								
MEAN	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 60.6

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 38.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77001 PENAGE SUDBURY AIRSHED												MONTH - MAY 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA UNAVAILABLE -																								
2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	1	1	0	1	1	1	1	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	2	0
5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	- DATA INVALID -																								
7	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	0	0	0	3	0	0	1	6	10	9	4	5	3	5	6	2	1	1	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	9	4	4	2	0	0	0	0
25	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	4	14	22	8	22	20	15	4	4	4	11	10	9	5	8
29	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0.9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77001 PENAGE SUDBURY AIRSHED												MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	3	4	5	6	13	5	1	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	-----											-----												
13													- DATA INVALID -												
14													- DATA INVALID -												
15													- DATA INVALID -												
16													- DATA INVALID -												
17	-----											-----													
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	2	1	-----		0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 81.3

PERCENTAGE OF DATA INVALID - 18.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77001 PENAGE SUDBURY AIRSHED											MONTH - JUL 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
21	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
26	1	0	0	0	12	4	2	1	0	3	2	3	3	3	8	7	3	4	0	0	0	1	1	1	2
27	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
28	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
29	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77001 PENAGE SUDBURY AIRSHED												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
27	1	1	4	2	1	1	1	1	1	1	1	0	0	2	1	2	0	0	1	0	0	0	1	1	1
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
31	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																		
	STATION - NE NO 77001					PENAGUE SUDBURY AIRSHED											MONTH - SEP 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN					
1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1					
2	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0					
5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0					
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0					
8	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0					
9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0					
12	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
14	2	1	0	0	0	0	2	2	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	0	0	0	1	2	3	3	1	0	0	0	1	1	1	1	1	1	1	1					
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	3	3	2	2	0	0	0	0	0					
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0					
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0					
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0					
30	1	0	1	1	1	1	1	0	1	2	1	1	5	2	1	0	0	0	0	0	0	0	0	0	0	1				
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2					

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



FINITE = 0 00 000000/0000000000

STATION - NE NO 77001

PENAGE SADBURY AIRSHED

MONTH - OCT 80

[illegible]

PERCENTAGE OF DATA VALID = 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77001

PENAGE SUOBURY AIRSHED

MONTH - NOV BO

[illegible]

PERCENTAGE OF DATA VALID -100.0

PERCENTAGE OF DATA INVALID = 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 77001 PENAGE SUDBURY AIRSHED											MONTH - DEC 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	2	1	1	1	
8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	5	10	12	9	7	5	3	2	3	
10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	1	2	1	2	2	1	1	0	3	12	7	2	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	***	1	1	2	2	1	1	1	1	1	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	1	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	2	3	3	2	1	1	0	0	0	0	0	0	0	0	1	0	0	1	
28	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	2	5	5	4	6	***	7	2	5	4	1	1	1	1	1	0	2
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0.3	

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

## POLLUTANT - SULPHUR DIOXIDE

## UNITS - 0.01 PARTS/MILLION

## STATION - NE NO 77001 PENAGE SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.6	8	43
FEB	29	1.0	5	34
MAR	31	1.4	8	42
APR	17	0.4	2	15
MAY	26	0.5	6	22
JUN	24	0.1	2	13
JUL	31	0.2	2	12
AUG	31	0.1	1	6
SEP	30	0.2	1	5
OCT	31	0.1	2	17
NOV	30	0.0	1	8
DEC	31	0.3	3	12
YEAR	342	0.4	8	43



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77001 PENAGIE SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	721	12	6	1	0	2	1	0	743
FEB	668	18	3	2	3	1	0	0	695
MAR	678	34	14	11	2	4	1	0	744
APR	429	5	2	0	0	0	0	0	436
MAY	632	9	4	1	2	0	0	0	648
JUN	583	1	1	0	0	0	0	0	585
JUL	737	3	1	0	0	0	0	0	741
AUG	737	1	0	0	0	0	0	0	738
SEP	714	0	0	0	0	0	0	0	714
OCT	740	2	1	1	0	0	0	0	744
NOV	718	2	0	0	0	0	0	0	720
DEC	734	6	2	0	0	0	0	0	742
YEAR	8091	93	34	16	7	7	2	0	8250

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.9	0	0.0	0.0	0.0	0.0	0.4	1.5	4.8	8.7	43	0.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77009 BURWASH SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	2	4	2	1	1	0	0	1	1	0	0	0	1
2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	3	2	1	1	6	6	1	0	1
3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	3	3	3	5	5	4	3	3	2	2
5	2	1	1	0	0	0	0	0	0	6	12	13	12	4	4	2	1	1	3	3	3	3	3	2	3
6	2	2	2	2	2	3	3	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1
7	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	2	2	3	3	2	2	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	2	2	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0
21	1	3	2	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	0	1	1	1	0	0	0	0	3	4	16	3	1	0	2	2	1	0	0	1	0	0	2
24	9	13	10	4	1	0	0	0	0	0	1	5	2	0	0	0	0	1	1	1	1	0	0	0	2
25	0	0	0	1	1	1	1	1	0	0	0	2	2	2	2	2	3	2	1	1	1	0	0	0	1
26	0	1	1	0	0	0	0	0	0	0	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	0	0	0	0	1	0	0	0	1
28	1	1	1	1	1	0	1	1	0	0	0	0	0	0	1	1	0	2	2	0	1	1	1	1	1
29	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1
30	0	0	0	0	0	0	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	7	1	4	5	4	8	3	0	0	0	0	0	1
MEAN	1	1	1	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0.7

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	----	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	1	1	1	1	6	5	2	1
5	3	2	1	1	1	1	1	1	0	0	0	0	0	0	2	3	2	8	8	6	6	5	2	1	3
6	1	1	1	2	3	3	2	3	3	----	1	1	1	1	0	0	0	0	0	0	0	0	1	2	1
7	3	3	3	2	2	2	1	2	1	----	2	4	9	8	5	4	3	5	3	3	1	1	1	0	3
8	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	1	1	0	1	1	0	1	0
9	0	0	0	0	0	0	0	0	0	----	1	1	2	1	1	2	4	4	3	2	2	2	2	2	1
10	2	2	2	2	2	2	1	1	1	----	3	3	1	4	2	2	1	2	2	1	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	----	0	6	3	3	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	2	2	1	1	6	31	14	2	0	0	0	0	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	4	7	3	1	0	0	0	0	1	1	3	5	3	0	1	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	1	1	1	1	1	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1	1	0
26	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	----	1	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	----	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	----	----	----	4	0	0	0	1	1	0	0	0
MEAN	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	21	38	1	0	0	0	0	0	0	0	3
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	12	28	17	23	12	6	0	0	0	0	0	0	4
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	0	1	5	0	3	2	3	3	2	3	4	4	1
9	3	2	2	2	2	2	1	1	1	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	2	1	1	1	1	0
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	2	2	0	1	5	14	3	0	2	5	8	12	11	5	1	0	0	3
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
18	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	1	1	0	1	2	6	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	9	9	1	2	6	1	1	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	6	2	4	1	1
25	4	1	0	0	0	0	0	0	0	0	0	0	0	8	11	9	1	0	6	13	1	0	0	2	3
26	9	7	3	1	5	10	4	3	2	0	0	1	2	6	11	9	5	7	6	4	4	4	4	4	5
27	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	1	0	3	1	4	3	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	0	0	0	0	0	0	0	0	0	1	2	3	4	1	1	1	1	1	1	0	0	0.8

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED											MONTH - APR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	8	2	2	0	1	1	1	1	1	1	1	1	1
2	8	2	0	0	0	0	0	0	0	0	0	0	0	1	---	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	---	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	1	9	4	4	---	12	18	14	13	18	15	3	3	0	0	0	0	0	0	5
14	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	1	2	3	1	1	2	4	5	1
16	3	3	9	3	1	2	3	3	1	---	3	2	3	---	1	1	0	0	0	1	0	0	1	1	2
17	1	1	2	1	1	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	0	0	5	8	---	0	0	0	1	4	---	4	8	3	0	0	1	0	0	2
19	0	0	0	0	0	0	1	1	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1	7	6	3	---	2	0	0	0	2	11	9	3	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	---	7	3	0	0	2	6	7	2	0	1	1	1	0	0	1
22	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	3	7	20	11	8	2	1	0	1	2
24	1	1	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	3	8	9	10	10	10	2
25	7	4	2	1	1	1	1	0	1	---	0	0	1	5	2	2	6	2	0	1	0	0	0	0	2
26	0	0	0	1	1	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	---	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0.7

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED											MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	1	1	0	1	1	1	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0
3	0	0	0	1	1	0	0	0	0	0	0	0	0	2	1	1	1	1	1	2	0	1	2	1	1
4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	2	2	7	4	1	0	0	1	0	2	0	1	6	1
6	6	1	3	4	0	0	0	0	2	3	3	2	0	0	0	0	0	2	1	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0
8	0	7	3	7	4	1	1	1	2	2	4	12	5	11	10	4	6	2	2	0	0	0	0	0	4
9	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0
11	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	2	1	2	1	0	0	0	0	1	0	0	0	0	3	0
14	2	2	4	6	7	2	3	1	0	0	1	---	0	1	2	14	18	4	6	0	0	0	0	0	3
15	---	0	0	0	0	0	0	1	1	1	11	10	2	0	0	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	2	1	2	14	5	4	5	1	3	0	0	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	2	2	4	2	0	0	0	1	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
26	0	0	0	0	0	0	0	0	0	---	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0
27	0	3	4	4	4	6	4	0	0	4	2	---	0	14	18	2	0	1	0	0	0	0	0	0	3
28	1	1	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MEAN	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED												MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	0	1	4	4	3	4	3	1	3	9	2	0	0	0	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	****	0	1	0	1	6	1	0	0	0	1	1	1	2	0	0	1	0	1
4	0	0	0	0	0	0	****	1	0	0	2	1	0	0	1	1	0	0	1	1	1	0	0	0	0
5	0	0	0	0	0	0	0	0	0	****	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	3	2	2	1	0	0	0	0	0	0	0	0	1	0	0
8	0	0	0	0	0	0	0	0	0	0	3	5	4	3	1	2	7	10	5	1	0	0	0	0	2
9	0	0	0	0	0	0	0	3	4	4	5	6	2	4	3	0	2	1	3	4	1	4	1	0	2
10	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	10	7	8	11	0	0	1	2
11	1	0	0	0	0	0	0	****	1	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	2	2	2	0
14	****	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	2	0
15	****	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	1	7	1
16	****	0	0	0	0	0	0	0	4	5	****	****	2	0	2	9	8	5	2	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	2	3	0	****	8	3	3	2	1	2	1	2	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	2	2	0	0	0	0	4	****	2	2	2	2	1	3	1	1	2	2	1	1	1	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	8	8	8	8	8	8	8	1
MEAN	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 97.9      PERCENTAGE OF DATA INVALID - 2.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED											MONTH - JUL 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	8	3	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	2	4	****	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0	0	0	4	6	3	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	****	0	0	1	1	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****
11	0	0	0	0	0	0	0	1	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	****
21	0	0	0	0	0	0	0	****	****	****	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0
23	0	0	1	1	0	0	0	0	1	****	0	0	2	8	5	1	0	0	9	4	1	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	-	-	-	-	-	-	-	-	-	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 92.3      PERCENTAGE OF DATA INVALID - 6.5      PERCENTAGE OF DATA UNAVAILABLE - 1.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77009		BURWASH SUDBURY AIRSHED												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	1	3	1	1	1	1	1	1
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	1	2	2	3	3	1	1	2	1	1	0	2	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	0	0	0	0	0	0	0	0	0	9	12	10	10	10	5	13	10	4	0	0	4
16	0	0	0	0	0	0	0	0	3	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	3	6	3	10	18	5	4	3	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77009		BURWASH SUDBURY AIRSHED												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	9	1	1	5	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	2	1	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	2	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	5	3	4	9	10	9	11	8	8	3
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	2	1	1	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77009		BURWASH SUDBURY AIRSHED												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	1	7	1	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4																									
5																									
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	0	0	0	8	4	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	4	3	2	2	3	9	13	2	0	0	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	0	0	7	12	19	11	4	2	1	1	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	16	24	25	1	0	5	1	0	0	3
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	10	0	0	0	0	0	2	1
13	0	2	6	0	1	2	0	1	7	6	12	13	10	18	20	8	2	0	0	0	0	0	0	0	5
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	4	4	4	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	2	2	1	2	2	2	2	2	1
16	1	1	1	1	0	0	1	1	1	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	2	2	0	1	1	0	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0
29	1	0	0	0	0	0	0	0	0	8	9	4	3	8	41	30	19	22	16	9	4	3	2	1	8
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	3	2	2	1	1	1	0	0	0	0.9

PERCENTAGE OF DATA VALID - 91.5

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 5.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	2	7	****	2	0	0	0	1	1	2	0	0	0	0	0	0	0	1
2	0	0	2	5	0	0	0	0	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	0	0	0	0	0	12	5	3	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	****	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	3	7	4	1	0	0	0	0	0	0	3	0	0	6	9	1	0	0	0	1	2	4	2	0	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	6	1	
10	1	3	11	5	11	9	11	5	3	****	0	1	4	1	2	2	1	0	0	0	0	0	0	0	3
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	0	2	2	2	0
13	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	0	0	0	0	0	2	1	0	0	1	7	9	3	0	0	1	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	0	0	0	1	10	3	1	1	1	1	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	1	0
19	0	1	1	1	2	2	2	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
21	0	0	0	0	0	0	0	0	0	****	0	0	0	1	1	0	0	0	0	0	0	0	1	6	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	****	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	****	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	6	3	6	7	****	5	2	5	0	3	5	4	4	3	3	2	1	1	1	3
26	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	****	0	****	****	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION																
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED											MONTH - DEC 80																
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	2	4	5	2	1	1	0	0		
3	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2	0	0	1	1	0	0	0	0	0	0		
4	1	1	1	1	1	0	0	0	0	0	1	1	1	2	2	4	3	3	2	2	2	2	1	1	0		
5	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	2	1	0	0	0	0	1	0	0	0	0	2	6	11	14	10	2	5	10	9	7	5	4	3	4		
10	3	3	2	2	1	0	0	1	0	0	0	0	3	2	2	8	1	1	1	0	1	3	1	1	2		
11	1	1	1	1	1	1	1	1	1	1	5	2	4	5	3	2	4	4	4	4	4	3	3	3	3		
12	3	3	3	3	2	3	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
13	0	3	1	0	0	0	0	0	0	0	0	7	3	0	0	0	0	0	0	0	0	0	0	0	0		
14	0	0	0	0	0	1	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15	DATA INVALID														0	0	0	0	1	2	1	1	0	0	0	0	
16	DATA INVALID														0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	0	0	7	3	1	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0		
19	7	1	0	1	1	0	0	4	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
20	0	0	1	0	0	0	0	0	0	1	0	0	2	11	0	0	0	0	0	0	0	0	0	0	1		
21	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0		
22	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1		
24	3	5	7	8	0	4	1	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0	2		
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
28	1	1	1	1	2	2	2	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1		
29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0	0	2	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1		
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MEAN	1	1	1	1	0	0	0	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0.8		

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77009 BURWASH SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.7	3	16
FEB	29	0.6	3	31
MAR	31	0.8	5	38
APR	30	0.7	5	20
MAY	31	0.6	4	18
JUN	30	0.5	2	11
JUL	27	0.2	1	9
AUG	31	0.4	4	18
SEP	30	0.6	4	17
OCT	28	0.9	6	41
NOV	30	0.5	3	12
DEC	28	0.8	4	14
YEAR	356	0.6	8	41



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77009 BURWASH SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	724	7	4	1	0	0	0	0	0	0	0	0	736
FEB	668	13	1	0	0	0	1	0	0	0	0	0	683
MAR	696	18	8	1	2	2	0	0	0	0	0	0	727
APR	652	20	8	3	0	0	0	0	0	0	0	0	681
MAY	715	12	6	2	0	0	0	0	0	0	0	0	735
JUN	691	13	1	0	0	0	0	0	0	0	0	0	705
JUL	681	6	0	0	0	0	0	0	0	0	0	0	687
AUG	727	8	2	1	0	0	0	0	0	0	0	0	738
SEP	694	14	7	1	0	0	0	0	0	0	0	0	716
OCT	648	17	5	6	3	1	1	0	0	0	0	0	681
NOV	687	13	4	0	0	0	0	0	0	0	0	0	704
DEC	675	11	3	0	0	0	0	0	0	0	0	0	689
YEAR	8258	152	47	15	5	4	1	0	0	0	0	0	8482

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.6	0	0.0	0.0	0.0	0.0	1.1	2.8	6.5	9.4	41	0.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77010 CALLUM SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	2	1	0	2	2	0	0	0	0	0	0	1	54	36	3	0	0	0	1	2	1	0	4
9	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	0	0	1	1	2	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	5	1	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	0	0	0	0	0	0	0	1	3	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	1	3	2	6	4	5	0	1	3	6	0	0	1	0	1	0	0	0	7	11	3	2
20	0	0	0	0	0	0	0	0	0	0	0	0	11	0	1	0	0	0	1	1	1	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	6	11	2	0	8	6	4	4	3	3	1	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	7	12	7	1	3	2	4	4	3	2	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	0	1	0	4	13	1	6	4	3	2	3	2	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	1	2	5	10	12	0	1	2	1	0	5	4	0	5
27	2	2	2	1	1	1	0	0	0	0	0	0	1	1	1	1	6	5	3	3	3	2	2	1	2
28	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	0	0	1	2	2	3	3	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77010		CALLUM SUDBURY AIRSHED												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	2	2	2	2	2	3	3	----	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
7	4	2	2	2	1	1	1	1	1	----	13	21	12	3	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	2	2	3	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	7	5	6	5	4	4	5	6	8
16	7	3	1	1	0	0	0	0	0	0	----	6	0	0	0	0	0	0	0	0	1	1	6	2	1
17	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	2	2	2	1	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0
24	0	0	0	0	0	0	0	0	1	1	2	4	1	4	6	2	2	1	3	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	8	3	9	1	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	1	0.4

PERCENTAGE OF DATA VALID - 99.1      PERCENTAGE OF DATA INVALID - 0.9      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77010		CALLUM SUDBURY AIRSHED												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	1	0	0	1	1	1	1	1
2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	3	3	1	2	12	4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	26	2	1	2	1	----	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	4	6	5	4	2	2	----	1	0	0	5	6	9	7	6
9	5	5	5	4	4	3	3	2	1	0	0	0	1	4	3	0	----	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	4	0	0	1
11	1	2	2	1	1	0	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	0	0	0	0	0	0	0	0	0	0	----	1	1	11	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	8	7	6	6	2
16	5	3	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
17	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	2	3	3	3	1	0	0	0	0	2	0	0	0	0	0	0	3	2	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
20	1	1	1	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	0	0	0
25	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	10	11	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 98.9      PERCENTAGE OF DATA INVALID - 1.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



UNITS - 0.01 PARTS/MILLION

[illegible]

PERCENTAGE OF DATA VALID - 59.7

PERCENTAGE OF DATA INVALID - 40.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - NE NO 77010					CALLUM SUDBURY AIRSHED										MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1																											
2	....	....	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	0	0	0	0	0	0	0	0	0	0	5	6	11	0	1	2	3	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	1	....	0	0	0	0	0	0	0	0	0	0	1	1	0		
6	0	0	0	0	0	0	0	0	0	0	3	2	3	4	1	0	1	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0		
8	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	0	0	0	1	0	0	0	4	5	0	1	2	4	3	0	1	2	0	1	2	3	2	1	1	1		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0		
11	0	0	1	0	0	0	0	0	0	0	0	5	1	0	2	4	0	0	0	1	0	0	0	0	1		
12	0	0	0	0	0	0	0	0	0	0	0	0	....	0	0	1	5	9	6	0	0	0	0	0	0		
13	0	0	0	0	0	0	0	0	0	0	1	9	12	2	16	1	0	0	0	0	0	0	0	0	2		
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0		
15	....	2	1	1	0	0	0	4	5	3	8	3	3	2	3	1	1	1	0	0	0	0	1	1	2		
16	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	3	4	0	0	0	0	0	0	1		
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0	1	1	0	1	3	....	3	0	0	0	0	0	0	0	0	0	0	0		
21	1	1	1	0	1	1	1	1	1	....	6	2	1	0	0	0	0	0	0	0	1	1	1	1	1		
22	1	1	1	0	0	0	1	1	1	1	3	3	5	4	....	0	0	0	0	0	0	1	2	1	0		
23	....	1	1	2	2	2	2	1	0	6	1	....	6	7	5	....	1	0	0	0	0	....	0	0	2		
24	0	0	....	1	0	0	0	0	....	0	0	0	0	0	0	0	....	0	2	0	0	0	0	0	0		
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0	0	0	....	0	....	1	....	....	8	5	10	....	1	0	0	0	0	1		
28	0	0	0	0	0	....	0	0	0	0	0	....	0	0	0	0	0	0	0	0	0	0	0	0	0		
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0		
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0		

PERCENTAGE OF DATA VALID - 93.5

PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77010 CALLUM SUDBURY AIRSHED											MONTH - JUN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	2	1	0	0	1	1	1	2	2	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	1	0	0	
9	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	1	0	0	0	0	0	1	1	10	10	6	6	5	0	0	0	0	0	0	1	0	2
11	0	0	0	0	0	0	7	****	0	0	0	5	2	5	0	2	0	1	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
14	****	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	****	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	****	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	2	2	1	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	6	4	2	5	2	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0
24	0	0	0	0	0	1	1	****	2	1	2	12	14	10	7	2	1	1	1	1	0	0	0	0	2
25	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	2	6	11	18	16	17	7	0	0	0	0	0	0	0	0	0	3
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	4	3	1	0	0	0	0	0	1	0	3	3	1	0	0	0
MEAN	0	0	0	0	0	0	1	0	0	1	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77010 CALLUM SUDBURY AIRSHED											MONTH - JUL 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	4	0	0	0	0	0
3	0	0	0	0	0	0	1	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	0	0	0	0	0	0	0	0	7	6	3	1	4	4	1	0	0	0	0	0	0	0
5	6	3	1	4	4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
7	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	5	3	1	1	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	1	4	2	6	6	2	1	0	0	0	0	1	1	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	1	1	1	1	0	0	0	0	0	0	0	0	0	1	6	9	3	2	2	0	0	0	0	0	1
16	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	
17	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	1	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	5	9	1	1	0	1	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4	3	2	0	0	0	0	
21	0	0	0	0	0	0	0	1	2	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	2	0	1	1	1	0	0	1	1	1	0	0	0	0	0	
26	0	0	1	0	0	0	0	0	1	****	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	1	0	3	16	6	2	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	2	10	7	0	2	1	4	1	0	0	0	0	0	
31	0	0	0	0	0	0	0	2	1	****	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77010 CALLUM SUDBURY AIRSHED												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	19	5	9	1	0	7	10	7	1	0	2	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	11	7	3	1	0	1	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	8	1	3	1	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	21	4	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	14	16	5	2	2	1	1	1	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	7	2	13	2	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	2	0	0	18	1	1	5	10	1	1	0	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	1	8	1	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	2	4	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	2	2	0	0	0	0	0
24	1	1	0	1	8	3	1	1	9	9	2	1	0	2	3	2	1	1	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	3	6	5	9	6	6	0	0	0	0	0	0	1	2
27	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	4	3	6	6	5	1	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	0	0	0	0	1	0	0	0.5

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77010		CALLUM SUDBURY AIRSHED												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	2	11	****	0	0	0	5	3	1	5	11	1	2	2	0	0	2
11	0	0	0	1	2	1	1	3	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	1	0	0	0	0	0	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	1	1	1	1	0	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77010 CALLUM SUDBURY AIRSHED											MONTH - OCT 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0
2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
4	1	0	0	0	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	2	1	1	0	0	1	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	36	30	18	10	7	6	3	2	2	5
16	2	2	2	1	1	1	1	1	2	1	1	2	3	5	4	2	1	1	1	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
19	0	0	0	0	0	1	0	0	1	4	9	11	0	5	14	0	0	0	0	1	1	0	0	0	2
20	0	0	0	0	0	0	0	1	2	0	0	6	3	10	20	18	3	2	3	2	0	0	1	0	3
21	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	1	0	0
22	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
26	0	1	15	6	0	0	3	1	0	0	0	0	0	0	0	2	3	0	5	6	11	4	5	1	3
27	0	0	1	1	0	0	0	0	1	0	0	0	1	4	3	1	0	0	0	1	2	1	0	0	1
28	0	0	0	0	1	0	0	0	0	2	3	5	5	3	2	0	5	1	0	0	4	3	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	2	4	4	4	6	8	3	2	1	2
30	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0
31	0	0	0	0	0	0	1	1	2	8	12	12	0	1	12	2	1	0	0	0	0	0	0	0	2
MEAN	0	0	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	1	1	1	0	0	0.8

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77010 CALLUM SUDBURY AIRSHED											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	4	5	10	48	33	21	10	1	0	0	0	0	0	0	6
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1	0	1
4	1	0	0	0	0	0	1	1	1	1	0	0	0	6	1	12	0	1	0	0	0	1	1	0	1
5	0	0	0	2	4	3	0	0	0	0	2	1	13	3	0	9	2	1	0	0	0	0	1	1	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	11	12	4	6	7	2	2	2	4	5	1	0	2
9	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	3	3	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	5	18	10	12	2	1	1	3	4	3	1	3
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	6	17	7	7	1	0	0	0	0	0	0	0	0	0	2
15	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	2	1	1	0	0	0	0	0	1
17	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	0
19	4	3	2	2	2	3	4	3	1	1	1	0	1	2	4	2	1	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0
22	24	25	8	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	1	1	3
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	5	4	2	1	1	1	0	0	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	2	3	2	1	1	1	1	0	6	7	0	0	1	2	0	0	0	0	0	1	0	0	1
30	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	0	0	0	0	0	0	0	1	1	2	4	2	3	1	1	0	0	1	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77010 CALLUM SUDBURY AIRSHED														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	0	0	0	0	0	0	0	3	9	4	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	----	4	9	3	3	3	2	2	1	1	1	1	1	1	0	1
5	0	0	0	1	1	1	1	1	1	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	7	1
9	2	0	0	0	0	0	0	1	0	0	7	0	0	0	----	0	0	0	2	2	3	3	4	5	1
10	4	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0	1
11	0	1	1	1	1	1	1	2	2	----	4	13	30	8	5	13	1	1	1	1	1	1	1	1	4
12	2	2	2	2	2	2	3	3	2	----	1	1	1	0	0	0	0	0	0	2	1	0	3	1	1
13	2	1	1	1	0	0	0	0	0	0	0	0	16	2	2	2	2	2	0	0	0	0	0	0	1
14	2	1	1	0	0	0	0	0	0	0	0	0	3	4	5	6	1	1	1	1	1	1	0	0	1
15	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	1
16	0	0	0	0	1	1	1	1	1	1	1	----	1	1	1	1	1	1	2	1	0	0	0	0	1
17	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	1	2	7	9	14	1	2
19	0	0	0	0	0	0	0	6	1	0	3	5	0	0	0	1	1	1	1	1	1	1	1	1	1
20	0	1	1	1	1	1	1	1	1	0	0	0	23	0	1	4	6	5	4	3	1	0	1	1	2
21	1	1	1	0	0	0	0	0	0	0	0	1	2	1	1	4	4	4	3	1	1	1	0	0	1
22	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	1	3	3	3	2	1	1	1	1	1	1	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	0	0	1	1	3	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77010 CALLUM SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	4	54
FEB	29	0.4	3	21
MAR	31	0.6	2	26
APR	17	0.5	2	26
MAY	30	0.5	2	16
JUN	29	0.4	3	18
JUL	31	0.4	1	16
AUG	31	0.5	3	21
SEP	30	0.5	2	16
OCT	31	0.8	5	36
NOV	30	0.9	6	48
DEC	31	0.7	4	30
YEAR	351	0.6	6	54



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77010 CALLUM SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	691	22	11	0	0	1	0	1	726
FEB	677	10	2	0	1	0	0	0	690
MAR	717	15	3	0	0	1	0	0	736
APR	419	7	1	1	1	1	0	0	430
MAY	682	11	2	1	0	0	0	0	696
JUN	678	11	3	3	0	0	0	0	695
JUL	724	12	0	1	0	0	0	0	737
AUG	718	18	3	3	1	0	0	0	743
SEP	702	8	5	1	0	0	0	0	716
OCT	717	13	8	3	0	2	0	0	743
NOV	693	14	5	2	3	1	1	0	719
DEC	721	10	3	1	1	1	0	0	737
YEAR	8139	151	46	16	7	7	1	1	8368

## FREQUENCY DISTRIBUTION BY PERCENTILES

 PERCENT  
OF DATA  
VALID

MIN

10

30

 CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

 ARITH  
MEAN

95.3

0

0.0

0.0

0.0

0.0

1.0

2.9

5.9

9.6

54

0.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77012 SKEAD SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9																									
10																									
11																									
12																									
13																									
14	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	....	22	9	28	33	14	6	1	1	....	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	....	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	1	2	1	0	0	0	0	0	0	2	2	1	1	2	1	2	1	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 78.0

PERCENTAGE OF DATA INVALID - 19.9

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77012		SKEAD SUDBURY AIRSHED												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	5	5	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	1
7	3	4	5	4	3	2	1	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	2	1	5	48	55	2	2	2	2	3	3	3	2	6
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	3	0
13	2	2	3	4	4	2	10	15	10	0	0	1	13	11	4	2	1	1	0	0	1	1	1	1	4
14	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	2	6	5	1	2	4	21	12	10	9	8	7	4
16	8	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	2	1	0	0	0	2	3	4	14	1	0	0	0	0	0	0	0	0	0	0	1
19	0	3	3	1	0	5	8	7	4	***	***	1	0	0	3	4	0	1	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	8	2	23	8	2	1	0	0	0	0	0	0	0	0	2
21	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	4	4	4	3	1
22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	0
24	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	3	6	14	15	4	1	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	0	1	2	1	3	2	0	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77012		SKEAD SUDBURY AIRSHED												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	1	0	1	1	0	0	0	4	2	5	6	5	3	1	5	3	1	1	0	1	1	0	0	0	2
3	0	0	0	0	0	1	0	1	0	1	3	0	***	4	4	2	0	5	1	1	2	3	3	2	1
4	3	5	2	1	1	1	4	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	2	3	2	0	6	13	10	4	0	0	0	0	0	5	8	13	5	5	3
7	3	1	0	0	2	2	0	0	0	0	0	0	8	12	***	9	8	6	0	***	***	***	***	***	3
8																									
9																									
10																									
11																									
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	26	25	11	2	2	4	2	3	10	***
13	10	11	9	9	8	8	7	5	5	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	3	2	1
16	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	1	13	2	0	0	0	0	0	0	1
18	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	31	14	2
20	17	2	19	8	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9	5	0	0	0	0	3
21	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
24	1	2	2	2	3	2	2	3	3	2	2	1	1	2	3	2	2	2	2	1	1	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	***	***	2	5	1	2	0	2	4	4	1
28	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	3	2	3	1	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	1	2	1	1	1	1	1	0	0	1	1	1	1	1	2	2	1	1	1	1	1	2	2	1.0

PERCENTAGE OF DATA VALID - 82.7

PERCENTAGE OF DATA INVALID - 16.3

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77012 SKEAD SUDBURY AIRSHED												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	16	18	11	2	8	10	16	2	0	0	1	1	0	4
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	2	5	5	5	1	1	2	2	2	1	0	0	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	4	1	1	13	4	0	1	0	0	0	0	1	0	1
10	0	0	0	0	0	0	0	10	0	0	5	1	0	0	0	0	0	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
12	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	2	4	4	2	3	4	2	1	2	2	14	7	4	4	1	0	0	0	0	1	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
19	1	0	0	1	0	0	0	1	1	0	0	1	0	7	0	12	19	0	2	2	18	6	1	1	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	2	7	0	0	0	0	0	9	19	6	6	6	6	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	2	11	2	4	10	8	10	7	6	6	6	5	5	5	4	4
25	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	2	2	1	0	0	1	1	0	0	0.7

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77012 SKEAD SUDBURY AIRSHED											MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	32	2	2
2	2	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	3	3	43	12	7	10	12	8	25	0	0	0	0	8	0	0	6
11	0	0	0	0	0	0	0	0	10	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	1	2	2	0	0	0	0	12	11	0	4	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	9	12	3	1	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	13	8	0	1	0	3	3	1	2
18	9	17	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1	1	0	0	0	0	5	10	7	0	21	1	1	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	2	0	1	6	3	9	17	13	8	2	1	0	0	0	0	0	3
22	0	0	0	0	0	0	0	1	2	1	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	1	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	2	6	7	2	0	1	0	6	0	0	0	0	8	1
31	5	0	0	11	5	0	8	16	11	4	2	0	7	1	0	0	0	0	0	0	0	0	0	0	3
MEAN	1	1	0	0	0	0	0	1	1	1	3	2	2	2	1	1	2	0	0	0	0	1	0	0	0.9

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77012											SKEAD SUDBURY AIRSHED														
											MONTH - JUN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1	1	21	4	3	19	45	5	4	0	0	0	0	5
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	29	25	12	5	11	1	4	9	13	0	0	0	0	1	5
6	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	2	2	9	0	6	2	2	1	1	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	23	5	0	0	0	0	1
12	2	1	0	0	0	0	1	0	0	0	3	19	17	10	10	3	12	3	19	7	1	0	12	0	0
13	0	30	4	7	2	18	35	9	4	0	9	6	2	1	6	9	15	4	6	27	1	3	2	1	9
14	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
17	0	0	0	0	0	0	0	0	1	0	14	8	4	3	5	5	5	1	0	0	1	1	2	1	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
21	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	1	1	0	0	1	0
22	1	1	1	1	0	0	1	1	0	0	0	12	3	7	10	0	30	9	15	2	2	9	11	6	0
23	2	0	0	0	0	0	0	0	0	0	14	8	7	9	1	0	7	6	0	1	1	2	1	0	3
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
25	0	0	0	0	1	1	2	1	1	0	2	8	10	12	7	5	4	9	10	6	5	2	0	1	4
26	1	2	0	0	0	0	4	5	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	1	2	2	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	5	0	4	2	1	0	0	0	1	0	0	0	0	0	0	0	1
MEAN	0	1	0	1	0	1	2	1	1	0	3	3	2	2	2	1	3	4	3	2	1	1	1	1	1.6

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77012											SKEAD SUDBURY AIRSHED														
											MONTH - JUL 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	0	0	0	0	0	0	****	1	5	4	2	2	2	0	3	3	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	****	0	1	3	3	1	1	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	6	18	9	0	1	4	4	2
5	2	1	0	0	1	17	5	16	1	****	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	****	4	5	1	3	0	0	0	0	1	1	1	1	1	1	1
8	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	2	1	1	0	0	0
10	0	0	0	0	0	0	0	3	2	0	3	17	6	2	0	0	1	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	- DATA INVALID -																								
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	0	0	1	1	1	1	2	2	2	****	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	6	2	9	7	0	0	0	0	0	0	0	1
19	0	0	0	1	1	2	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	3	2	2	0	0	0	0	1	4	17	10	10	14	25	14	17	4	14	1	0	6
21	0	0	0	1	0	0	0	0	3	****	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	1	0	0	0	0	1	1	1	0	0	0	0	2	0	2	2	6	2	0	1	1	0	0	0	1
26	0	0	0	0	0	0	0	2	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	0	2	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0
31	0	0	0	0	0	0	0	0	0	****	13	4	0	1	0	2	3	3	7	19	0	0	0	0	2
MEAN	0	0	0	0	0	1	0	1	0	0	1	1	1	1	1	1	1	1	2	2	0	1	0	0	0.7

PERCENTAGE OF DATA VALID - 91.1 PERCENTAGE OF DATA



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77012		SKEAD SUDBURY AIRSHED										MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	0	0	0	0	0	3	0	1	6	0	1	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	4	1	***	***	10	0	17	6	5	1	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	1	4	10	5	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	16	15	7	28	14	15	0	0	1	36	37	26	53	0	10
6	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3	2	2	0	0	1	0	4
7	0	0	0	0	0	0	0	1	0	0	0	0	41	23	7	4	0	0	0	0	0	0	0	0	4
8	1	3	3	2	3	1	1	5	3	5	31	34	13	1	1	1	1	0	0	1	0	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	1	1	1	0
10	2	1	1	1	1	1	1	1	3	1	0	5	15	5	4	6	5	3	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	4	4	5	5	0	4	0	0	1	0	2	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	3	1	11	19	17	9	2	1	1	0	0	0	0	0	0	3
14	3	4	4	5	4	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	***	1	1	0	0	0	0	0	0	0	0	13	2	2	1	1	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	10	15	15	3	0	3	6	1	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
22	12	0	0	0	0	0	0	0	3	4	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
24	0	0	0	0	0	0	0	0	0	0	0	8	45	20	0	0	0	0	0	0	0	0	1	3	3
25	25	0	0	0	0	0	0	0	0	7	43	21	17	12	15	12	5	9	1	0	5	22	0	0	22
26	22	4	1	2	1	1	2	1	0	0	0	1	1	1	5	2	0	0	4	3	3	1	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	24	23	30	18	18	0	0	16	12	16	1	21	0	20	38	15	14	1	11
31	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	5	6	9	4	1	1	1	1
MEAN	2	0	0	0	0	0	1	1	2	2	3	3	6	5	3	2	1	2	1	3	3	2	3	1	2.0

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77012					SKEAD SUDBURY AIRSHED							MONTH - SEP 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14	10	9	2	0	0	0	0	0	2
2	1	1	1	0	0	0	0	0	0	0	***	0	0	2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	11	6	14	11	3	2	2	3	1	1	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	1	0	5	2	7	1	0	3	10	1	1	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	17	6	2	13	12	0	21	4
9	24	0	0	0	0	0	0	6	2	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	***	2	2	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	0	0	3
16	0	0	0	0	1	2	0	2	3	***	1	9	13	0	0	0	1	20	4	0	0	0	0	0	2
17	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	16	33	1	1	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	2	4	1	39	3	3	0	0	0	0	0	2	2	1	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	5	14	11	14	0	0	0	0	0	2
25	0	0	0	0	6	4	16	30	22	***	6	0	0	0	0	0	0	2	0	1	0	3	0	0	0
26	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
27	0	0	0	1	0	4	41	12	1	***	3	14	0	0	0	0	0	0	0	0	0	0	0	0	3
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0
29	0	0	0	0	0	0	0	0	***	1	19	0	0	11	1	0	0	2	4	11	1	1	1	1	2
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	1	2	2	2	1	0	3	1	1	1	1	2	1	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77012 SKEAD SUDBURY AIRSHED													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	22	19	34	8	2	0	0	0	0	0	0	0	4
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	2	2	2	3	4	3	2	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	7	14	1
10	13	11	9	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	5	8	1
12	9	4	3	4	3	3	4	3	3	2	1	1	1	1	1	1	1	1	1	2	4	4	1	1	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	3	3	3	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	2	1	0
17	2	1	0	1	1	1	1	1	0	0	5	0	0	0	0	0	0	0	0	0	8	0	0	0	0
18	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	2	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	3	3	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0
22	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	4	20	4	0	0	1
23	0	0	0	3	5	1	0	4	11	8	5	2	2	1	1	1	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	3	49	36	68	58	37	2	0	0	2	3	4	2	0	0	0	0	0	0	0	0	11
29	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	2	1	2	2	2	0	0	0	1	1	1	1	0	0	1	0	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE				UNITS - 0.01 PARTS/MILLION	
STATION - NE NO 77012				SKEAD SUDBURY AIRSHED	
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	24	0.8	7	33	
FEB	29	0.9	6	55	
MAR	26	1.0	3	31	
APR	30	0.7	4	19	
MAY	31	0.9	6	43	
JUN	30	1.6	9	45	
JUL	28	0.7	5	25	
AUG	31	2.0	11	53	
SEP	30	1.0	4	41	
OCT	27	1.6	8	55	
NOV	27	1.3	12	85	
DEC	31	1.0	11	68	
YEAR	344	1.1	12	85	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77012 SKEAD SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	561	9	2	1	3	4	0	0	0	0	0	0	580
FEB	563	15	6	1	2	0	1	1	1	1	1	1	689
MAR	586	17	7	2	1	2	0	0	0	0	0	0	615
APR	672	18	5	6	0	0	0	0	0	0	0	0	701
MAY	690	23	12	4	2	2	1	1	1	0	0	0	734
JUN	628	33	12	6	3	5	1	1	1	0	0	0	689
JUL	655	11	4	7	1	0	0	0	0	0	0	0	670
AUG	675	18	16	11	9	8	3	3	1	1	1	1	741
SEP	674	10	15	5	3	3	1	1	1	0	0	0	711
OCT	589	17	12	8	7	6	2	2	1	1	1	1	642
NOV	619	14	8	8	1	6	1	1	1	2	2	2	659
DEC	721	9	4	2	1	3	1	1	1	2	2	2	743
YEAR	7733	194	103	61	33	40	11	11	7	7	7	7	8182

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.1	0	0.0	0.0	0.0	0.0	1.9	5.7	14.2	21.3	85	1.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77013 HANMER SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	2	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77013 HAMMER SUDBURY AIRSHED												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	2	3	3	2	2	1	0	0	0	0	0	0	0	0	0	0	3	3	2	1	1
7	3	4	5	4	3	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	1	1	1	7	8	18	9	6	12	7	5	5	4	3	3	2	4
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	9	6	13	13	1	10	10	11	8	5	1	1	1	1	1	4	1	0	0	1	0	0	1	1	4
12	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
15	0	0	1	2	3	2	3	3	3	3	3	3	2	2	1	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	2	5	11	9	1	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0
23	0	0	0	0	0	0	5	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	0	0	0	0	1	0	0	0	0	11	16	16	17	4	0	0	0	0	0	0	0	3
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.6

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77013 HAMMER SUDBURY AIRSHED											MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	1	0	0	0	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	5	19	----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-----
8	- DATA UNAVAILABLE -																								
9	- DATA UNAVAILABLE -																								
10	- DATA UNAVAILABLE -																								
11	- DATA UNAVAILABLE -																								
12	- DATA UNAVAILABLE -																								
13	- DATA UNAVAILABLE -																								
14	-	-	-	-	-	-	-	-	-	-	-	-	----	0	0	0	0	0	0	0	0	0	0	0	-----
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	2	3	2	0
16	2	1	0	0	0	0	0	0	0	0	0	20	32	18	8	1	0	0	0	1	0	1	1	1	4
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	0
20	1	2	3	3	2	1	1	1	1	1	2	0	0	0	0	0	0	2	11	12	11	7	2	2	3
21	3	3	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
24	1	1	1	1	1	1	1	2	2	2	2	1	1	2	3	3	2	2	1	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	1	1	1	0	1	1	11	5	3	1	1	2	3	1	1	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	0	5	3	1	0	0	0	0	0	0	0	1
29	0	0	0	0	0	1	2	1	1	0	2	1	1	1	1	2	2	2	2	1	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	0	0	0	0	0	0	1	2	1	1	1	0	0	1	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 74.5

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 23.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77013		HANMER SUDBURY AIRSHED												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	3	8	8	2	6	12	4	1	2	1	0	0	0	0	2
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	5	11	4	2	12	7	4	0	0	0	0	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	1	1	1	0
10	0	0	0	0	0	0	0	3	2	4	6	0	0	0	0	0	0	0	0	0	1	1	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	2	2	1	1	1	0	0	0	1	1	1	1	3	4	7	1	0	0	8	11	6	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	14	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1
23	0	0	1	1	1	0	0	0	0	0	0	0	1	10	6	7	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	8	14	22	3	4	5	0	0	5	5	6	5	3	4	4
25	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	11	1	0	0	1	0
30	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	1	0	0	1	1	2	1	1	1	1	0	1	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77013		HANMER SUDBURY AIRSHED												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
2	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
7	0	7	7	2	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	2	1	17	15	14	2	0	1	1	1	1	1	1	1	2
11	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	2	5	6	4	5	7	18	4	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	2	0	0	0	0	0	15	27	25	23	2	0	6	14	1	1	0	1	4
31	2	0	0	7	2	1	5	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	1	0	1	1	2	2	1	1	0	0	1	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77013		HAMMER SUDBURY AIRSHED												MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9

PERCENTAGE OF DATA VALID - 97.9

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77013		HAMMER SUDBURY AIRSHED												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 77013 HANMER SUDBURY AIRSHED																MONTH - AUG 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	2	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	0	1	4	2	0	1	1	4	0	0	0	0	0	0	0	0	0	0	1	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	4	2	0	1	1	1	1	0	25	18	20	9	0	2	3	0	0	5	4	0	1	0	1	4
30	1	2	1	1	0	1	4	10	6	6	12	6	4	8	2	9	12	3	0	0	2	1	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	2	3	2	1	1	2	2	1	1	1	1	0	0	0	0	0.8

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 77013 HANMER SUDBURY AIRSHED																MONTH - SEP 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	5	13	12	11	7	4	0	0	0	0	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77013		HAMMER SUDBURY AIRSHED										MONTH - OCT 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
4	1	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	8	5	3
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	1	1	0	1	2	1	4	4	2	0	0	0	0	0	0	0	1	4	3
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	4	3	0
8	0	0	0	0	2	3	2	1	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0
11	0	0	0	4	4	5	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
16	3	4	4	3	3	3	3	2	3	1	0	0	0	0	0	0	0	12	6	5	2	1	1	1	3
17	0	1	2	6	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	1	1	0	1	1	0	0	0	0	14	3	5	11	22	9	9	4	0	0	0	0	14	4
24	11	1	1	25	24	25	13	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
25	6	8	11	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	5	1	1	1
30	0	1	1	0	0	0	0	1	1	0	0	0	1	5	12	8	3	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	2	1	1	1	0	0	0	0	0	1	0	1	1	2	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77013		HAMMER SUDBURY AIRSHED										MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	0	0	0	0	0	0	0	0	0	0	***	1	1	1	1	1	2	1	1	1	1	6	4	1
4	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	23	14	6	0	1	1	4	10	3
9	9	33	29	16	15	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	3	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	1	0	0	0	0	0	0	0	4	2	4	2	1	2	1	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	6	3	0	0	0	4	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	1	1	1	1	0	0	1	1	1	1
21	1	1	1	1	1	1	1	1	2	***	10	8	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	60	5	5	16	4	0	7	24	0	0	0	0	5
23	0	4	2	5	3	2	2	1	3	2	6	3	1	3	2	1	1	1	1	1	2	3	2	2	2
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0
27	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1	2	3	1
MEAN	1	1	1	1	1	1	0	0	0	0	0	1	0	2	1	1	2	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77013 HANMER SUDBURY AIRSHED												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	0	1	0	0	0	4	4	0	0	0	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	1	0	0	0	0	0	0	0	49	64	38	27	14	6	4	2	2	2	2	9
5	2	3	3	2	2	2	1	1	1	1	1	0	0	2	0	0	0	0	1	1	1	1	1	1	1
6	0	0	0	1	0	1	1	1	2	0	5	3	1	1	8	2	5	3	0	0	0	1	1	1	2
7	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	11	9	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
12	0	1	2	2	1	1	2	4	9	0	11	12	25	0	8	8	1	0	1	4	8	1	1	0	4
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	2
16	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1
17	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	5	11	11	1	0	0	2
18	0	0	0	0	0	0	0	0	0	0	0	0	2	16	4	1	1	1	2	1	0	0	0	0	1
19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	0
20	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	1	0	1	1	1	1	1	0	1
21	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0
22	1	1	1	1	1	1	1	2	2	2	1	0	0	0	0	0	0	1	1	1	2	0	0	0	1
23	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
25	1	1	0	0	1	0	0	0	0	0	1	0	0	0	1	2	1	1	1	1	1	1	1	0	1
26	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	4	6	6	7	3	2	2	2	1	2
28	1	1	1	2	7	6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	4	3	1	1	1	1	1	1	1	1	1	1	0	1	1
31	1	3	3	3	2	1	1	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	1	2	2	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

## POLLUTANT - SULPHUR DIOXIDE

## UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77013 HANMER SUDBURY AIRSHED	MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
	JAN	31	0.7	4	38
	FEB	29	0.6	4	18
	MAR	23	0.6	4	32
	APR	30	0.6	4	22
	MAY	31	0.5	5	27
	JUN	30	0.9	7	53
	JUL	31	0.5	4	24
	AUG	31	0.8	5	53
	SEP	30	0.5	3	36
	OCT	31	0.8	6	25
	NOV	30	0.8	5	60
	DEC	31	1.3	9	64
	YEAR	358	0.7	9	64



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77013 HAMMER SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	708	18	8	3	0	1	0	0	738
FEB	670	13	6	4	0	0	0	0	693
MAR	544	2	4	3	0	1	0	0	554
APR	695	15	7	0	1	0	0	0	718
MAY	716	9	4	2	2	1	0	0	734
JUN	677	14	1	4	1	7	0	1	705
JUL	714	11	4	3	1	0	0	0	733
AUG	711	16	9	2	3	2	0	1	744
SEP	693	16	4	0	0	1	0	0	714
OCT	713	16	10	0	4	0	0	0	743
NOV	696	10	3	2	2	2	0	1	716
DEC	701	16	10	2	1	3	1	1	735
YEAR	8238	156	70	25	15	18	1	4	8527

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.1	0	0.0	0.0	0.0	0.0	0.9	3.1	7.9	12.7	64	0.7

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77014

RAYSIDE SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	1	1	1	1	2	2	1	18	19	48	2	1	0	1	1	1	1	1	4
7	1	1	0	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3	3	2	1	0	0	0	1
9	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	3	6	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1	1	1	0	2	2	2	2	0	0	0	1	1	3	1	1	4	2	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	9	14	1
16	17	14	20	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
17	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0
22	1	1	0	0	0	0	0	1	0	.....	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	0.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77014						RAYSIDE SUDBURY AIRSHED						MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	1	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	3	3	4	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	1	3	4	4	9	26	25	26	24	9	7	4	4	1	1	6
11	1	1	1	1	0	0	0	0	0	0	1	1	0	0	2	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	3	9	6	3	3	2	2	2	2
16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	9	7	7	6	6	5	3	3	3	1	1	0	1	1	1	1	1	1	1	1	1	1	1	3
21	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1
22	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	0	0	0	0	0	0	0	0
24	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0.5

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77014						RAYSIDE SUDBURY AIRSHED						MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
10	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	5	4	3	2	2	3	9	4	0	0	0	3	2	1	7	8	5	0	0	0	0	5	1	1	3
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
16	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	4	7	5	5	4	2	6	1	0	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	1	1	1	1	4	3	2	1	3	4	2	5	2	2	0	0	0	0	0	0	0	0	0	0
21	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	1	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	2	3	7	2	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	1	0	0	0	0	0	0
29	0	0	0	0	0	2	2	1	1	1	2	1	0	0	1	1	2	2	2	1	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	1	0.4

PERCENTAGE OF DATA VALID - 93.4

PERCENTAGE OF DATA INVALID - 6.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77014		RAYSIDE SUDBURY AIRSHED												MONTH - APR 30											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	2	1	10	6	5	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	1	2	1	0	2	1	1	0	1	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	1
7	0	2	3	1	2	0	0	0	0	0	0	5	3	3	4	2	3	2	1	0	1	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
9	0	0	0	1	1	0	0	0	0	0	0	0	6	4	2	3	2	0	0	0	0	0	1	1	0
10	0	0	1	1	1	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
23	0	1	1	2	2	11	7	0	0	0	0	1	0	3	4	1	0	0	0	1	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
25	3	2	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77014		RAYSIDE SUDBURY AIRSHED												MONTH - MAY 30											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0
2	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	2	3	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	4	2	1	2	1	1
11	4	2	0	1	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	2	2	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	3	4	1	0	1
31	0	0	4	5	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	11	14	16	24	3	1	0	0	0	0	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	0	0	19	4	1	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	0	3	23	17	23	32	9	12	15	2	1	1	1	0	0	0	0	0	6
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	9	4	0	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1
29	0	0	0	0	0	5	4	0	0	4	0	0	0	1	2	10	8	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	5	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED															MONTH - JUL 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	1	1	1	0
15	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	0	2	7	5	5	1	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	4	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION													
		STATION - NE NO 77014					RAYSIDE SUDBURY AIRSHED						MONTH - OCT 80													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	1	1	1	1	1	****	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
3		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		1	1	1	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	1	1	0	****	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
10		1	1	1	1	1	1	0	0	1	****	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	2	5	3	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
13		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	1	1	1	****	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
16		2	2	2	1	1	1	2	2	2	****	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	****	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 96.1 PERCENTAGE OF DATA INVALID - 3.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION													
		STATION - NE NO 77014					RAYSIDE SUDBURY AIRSHED						MONTH - NOV 80													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	2	2	2	0	0	0	0	****	4	2	1	1	1	1	2	3	4	3	7	1	0	0	2
4		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	1	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		1	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		1	0	0	0	0	0	0	0	0	****	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		****	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		1	1	1	0	0	0	0	1	1	****	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		1	1	1	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	3	2	1	1	0	0	0	2	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	1	0	0	0	0	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		1	1	1	1	1	1	4	7	1	****	2	1	5	3	2	1	1	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	1	2	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 95.1 PERCENTAGE OF DATA INVALID - 4.9 PERCENT



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	1	1	1	0	0	0	1	1	2	2	4	13	10	3	2	1	1	1	1	0	0	0	0	0
8	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	5	7	11	8	9	10	2
10	8	8	6	4	1	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0
11	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1
12	0	0	0	0	0	0	1	2	2	2	0	1	0	0	0	0	0	5	10	10	3	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	1	1	0	1	1	1	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	1	1	1	1	1	1	0	0	1	1	0	0	0	1	2	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	1	1	1	1	1	1	1	1	2	3	2	1	2	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	0	0	0	0	0	0	1	2	3	8	17	17	16	17	15	14	12	12	7	3
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
28	3	5	3	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0	0	1	1	1	1	1	1	1
31	1	2	3	3	3	2	2	2	2	2	2	7	18	13	2	1	1	1	1	1	1	0	0	0	0
MEAN	1	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	2	3	2	2	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1990

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.4	4	48
FEB	29	0.5	6	26
MAR	28	0.4	3	9
APR	30	0.3	1	11
MAY	31	0.4	3	25
JUN	30	0.5	6	32
JUL	30	0.1	2	11
AUG	31	0.2	2	15
SEP	30	0.5	3	27
OCT	31	0.2	2	9
NOV	29	0.2	2	7
DEC	31	1.2	7	47
YEAR	361	0.4	7	48



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	729	2	2	4	0	0	1	0	738
FEB	670	11	0	0	2	2	0	0	685
MAR	687	8	0	0	0	0	0	0	695
APR	707	4	1	0	0	0	0	0	712
MAY	726	5	2	3	1	0	0	0	737
JUN	683	4	4	3	3	1	0	0	698
JUL	716	2	1	0	0	0	0	0	719
AUG	705	2	2	0	0	0	0	0	709
SEP	676	8	0	0	2	1	0	0	687
OCT	711	4	0	0	0	0	0	0	715
NOV	682	3	0	0	0	0	0	0	685
DEC	683	15	11	7	1	1	1	0	719
YEAR	8375	68	23	17	9	5	2	0	8499

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.8	0	0.0	0.0	0.0	0.0	0.6	1.5	4.0	7.4	48	0.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK, SUDBURY

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	2	2	1	2	2	5	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
2	0	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	1	0	0	1	0	0	0	2	0
3	0	0	0	1	0	0	0	1	1	0	0	1	0	1	1	0	1	1	1	1	1	1	0	0	1
4	0	1	1	1	2	1	1	2	2	1	2	2	2	2	1	6	4	6	4	2	2	1	1	1	2
5	1	0	0	0	***	1	0	1	0	1	1	0	1	1	1	2	2	3	2	2	3	3	3	2	1
6	2	3	2	3	3	3	3	3	3	2	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1
7	1	1	1	1	1	1	1	1	3	1	1	1	0	0	0	1	2	2	5	5	1	3	1	1	1
8	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	3	4	2	1	5	1	1	3	7	1
9	3	1	5	1	1	1	4	2	3	2	1	2	4	3	6	1	5	2	8	1	0	0	0	0	2
10	2	4	4	2	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	1	0	0	0	0	0	0	0	1	1	1	2	1	1	3	4	2	2	2	2	3	2	1
12	4	6	6	7	3	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2
13	4	2	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
14	3	2	2	1	1	2	2	1	4	9	4	2	2	1	1	0	0	0	0	0	0	0	0	0	2
15	0	0	0	1	1	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	***	0	1	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	0	1	0	0	0	1	1
18	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2	2	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	1	1	0	1	0	0
20	2	1	0	0	1	0	0	0	0	1	0	0	1	1	1	1	0	0	0	5	0	0	0	0	1
21	0	1	1	1	0	1	1	1	1	1	0	1	2	1	2	4	2	1	1	1	1	2	2	2	1
22	2	1	2	1	1	1	1	1	2	1	1	4	***	1	1	1	1	1	1	1	1	1	2	0	1
23	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	0	1	1	1	1	5	1	0	2	2	1	1	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	17	9	10	1	5	1	2
27	0	1	1	2	1	1	1	1	3	1	0	1	3	3	2	1	1	1	2	1	2	4	4	4	2
28	3	2	1	0	0	0	0	0	0	0	1	1	0	0	0	2	8	11	8	2	2	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	1	0	0	0	1	1	0	0	0	0	1	1	0	***	0	1	0	-	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77016		ASH ST WATER TANK. SUDBURY												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0
2	0	0	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0
3	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
4	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
5	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0
6	0	0	1	1	2	2	2	2	2	1	3	2	1	1	1	1	1	1	1	2	1	1	1	1	1
7	1	2	2	2	2	3	2	1	1	3	2	1	1	1	1	1	1	1	2	2	0	1	1	0	1
8	1	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	4	3	2	2	2	1
9	0	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	4	3	2	2	2	1
10	1	1	2	2	1	2	2	3	2	2	3	3	4	3	5	4	3	3	3	3	2	2	1	1	2
11	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	2	6	0	0	1	0	1	4	4	2	1	1	1
13	1	5	1	1	1	1	1	0	0	1	1	1	2	6	2	0	1	1	1	1	1	2	9	7	2
14	2	2	1	1	1	0	0	0	0	0	1	0	1	0	1	0	1	1	1	1	1	2	3	2	1
15	4	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
16	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
17	1	0	0	0	1	0	1	6	1	4	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1
18	1	3	0	0	0	1	0	0	0	3	0	2	2	1	2	1	1	1	1	1	1	1	1	1	1
19	1	1	0	1	0	3	3	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
20	1	1	2	1	1	2	1	1	1	0	0	0	1	1	0	1	3	0	0	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	2	2	3	1
22	2	1	0	1	1	1	1	3	4	6	9	7	1	1	0	0	0	0	0	0	0	0	0	0	2
23	2	5	1	1	1	1	1	0	0	2	5	0	0	0	0	0	0	2	2	1	1	1	1	1	2
24	0	1	1	1	1	0	3	1	0	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	1	1
26	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	1	1	1	1	1	1	0	0	1	1
27	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	1	1	1	0
28	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 96.8      PERCENTAGE OF DATA INVALID - 2.9      PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77016												MONTH - MAR 80													
ASH ST WATER TANK. SUDBURY																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	2	14	3	2	3
2	1	2	1	1	1	1	0	1	6	1	0	2	2	3	5	3	1	2	1	1	3	18	5	0	2
3	8	12	5	8	1	1	1	1	0	1	1	4	2	3	1	0	0	0	0	1	1	0	1	1	2
4	1	1	1	1	2	1	3	20	4	3	-----														
5													- DATA INVALID -												
6													- DATA INVALID -												
7	1	5	14	15	22	1	2	21	5	2	2	6	6	1	2	2	5	2	1	2	2	4	0	0	5
8													- DATA INVALID -												
9													- DATA INVALID -												
10													- DATA INVALID -												
11	2	3	2	1	1	2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1
12	1	2	1	2	1	1	2	1	1	2	1	1	3	13	7	7	3	2	6	8	9	6	3	3	4
13	2	1	1	1	1	2	1	1	2	1	1	2	1	1	2	1	1	1	1	2	1	1	1	1	1
14	1	1	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1
15	1	1	0	0	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	2	1	2	3	3	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
17	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
18	0	1	0	0	1	0	0	1	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0
19	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
20	2	2	1	2	1	1	1	1	1	2	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2
21	2	3	2	2	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1
23	0	1	0	1	0	1	1	1	1	1	1	2	1	13	32	3	1	2	4	2	1	6	2	3	3
24	7	4	2	4	5	6	5	3	2	3	3	0	1	1	1	1	1	1	1	0	1	0	0	1	0
25	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	1	1
26	1	0	1	1	1	1	1	1	1	0	1	0	1	2	6	4	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	3	1	1	1
28	2	2	2	1	1	3	1	1	1	1	0	2	2	2	2	2	2	4	4	2	2	1	1	2	2
29	2	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	1	4
30	1	2	2	2	2	2	2	2	15	21	8	7	6	4	2	2	2	2	2	2	1	2	1	1	4
31	2	2	3	3	3	6	3	3	2	2	2	3	2	2	2	0	0	1	1	1	0	0	1	1	2
MEAN	2	2	2	2	2	2	1	3	2	2	1	2	2	2	3	2	1	1	2	1	2	3	2	1	1.8

PERCENTAGE OF DATA VALID - 85.1      PERCENTAGE OF DATA INVALID - 14.9      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77016		ASH ST WATER TANK, SUDBURY												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	1	1	1	1	1	1	1	1	1	1	3	8	4	2	1	1	1	1	1	10	6	2
2	11	3	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	1
3	1	1	1	1	1	1	1	1	1	1	1	1	3	-	1	2	5	4	2	0	1	0	0	0	1
4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0
5	2	0	0	0	0	0	0	1	2	0	0	0	2	0	1	1	0	0	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	1	0	0
7	0	1	0	0	1	1	0	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
8	1	1	1	2	1	1	1	1	1	1	1	2	1	1	4	1	1	1	1	1	3	5	-	2	2
9	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	3	4	4	3	4	3	2	2	2	1	2	3	1	7	2	-	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	0	1	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
14	0	1	1	1	1	0	0	0	1	0	0	0	1	1	2	1	1	1	1	1	0	1	0	1	1
15	1	0	3	2	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
17	2	1	1	1	2	2	1	1	2	1	1	1	1	1	2	1	4	4	4	2	4	3	1	2	2
18	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	2	3	1	1	1	1	2	1
19	2	2	13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	9	4	3
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	-	1	0	1
22	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1
23	1	1	1	0	1	1	1	1	1	1	1	1	4	1	1	1	1	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	4	6	11	9	14	36	23	7	6	1	1	1	2	3	3	5	5
25	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
28	1	3	2	2	1	3	4	3	4	3	5	3	1	1	2	2	1	1	1	1	1	2	3	3	2
29	1	1	1	1	1	2	2	2	1	1	1	1	6	5	4	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	2	1	1	10	2	1	4	1	4	2	1	1	1	1	-	2	2	1	2	2
MEAN	1	1	1	1	1	1	1	1	2	2	1	2	1	2	3	2	1	1	1	1	1	1	2	1	1.4

PERCENTAGE OF DATA VALID - 98.9      PERCENTAGE OF DATA INVALID - 0.3      PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77016		ASH ST WATER TANK, SUDBURY												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	4	1	1	2	7	6	4	2	-	1	***	4	3	2	3	2	2	2
2	2	2	2	2	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	2	1	1	1	7	5	6	20	3	3	2	1	1	1	1	1	1	2	1	2	3	3
5	1	1	1	1	1	1	1	1	1	1	4	2	2	1	1	6	2	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	3	16	5	2	2	2	1	2	2	1	1	1	2
7	1	1	1	1	1	2	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1
8	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0
9	2	1	0	0	0	1	0	0	0	0	1	2	2	0	1	1	1	0	1	1	1	6	3	8	1
10	9	9	6	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
11	2	1	2	2	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1
12	1	1	6	2	2	2	2	9	3	4	3	3	2	3	3	3	9	2	1	5	3	1	1	1	2
13	0	1	1	1	1	1	1	0	1	0	2	3	0	1	1	1	1	0	0	5	2	0	0	1	1
14	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	49	19	2	1	3	3
15	1	1	1	1	1	1	1	1	1	1	1	6	5	1	1	1	1	1	3	5	2	14	9	5	3
16	1	4	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	5	13	5	1	2
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
18	1	1	1	1	2	1	1	1	1	1	1	3	2	1	-	1	1	1	1	1	2	8	2	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	2	2	6	3	2	2	1	2	6	5	2	5	2	1	1	1	2	2	1	1	3	10	3	1	3
21	2	1	8	4	11	11	2	1	2	4	4	5	5	4	3	7	6	6	3	10	13	11	2	1	5
22	1	1	1	1	3	9	56	26	8	4	7	7	6	4	5	4	2	2	3	4	10	5	2	1	7
23	2	3	10	11	8	3	11	8	3	1	3	4	16	7	5	3	5	5	4	10	9	3	2	2	6
24	10	13	4	7	8	13	2	1	1	1	2	2	2	2	2	2	2	2	4	2	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	***	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1
28	1	1	2	2	2	1	1	1	1	2	1	6	5	1	1	1	1	1	3	2	4	3	2	1	2
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	2	2	1
30	2	2	2	1	2	2	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	2	2	2	2	1	1	1	1	5	3	2	1	1	1	1	1	1	1	1	1	2
MEAN	2	2	2	2	2	2	3	2	2	2	2	3	3	2	2	2	2	2	2	4	3	3	2	2	2.2

PERCENTAGE OF DATA VALID - 99.3      PERCENTAGE OF DATA INVALID - 0.3      PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	1	1	0	0	0	0	0	0	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	5	5	1	1	0	0	0	0	0	0	1	1	1	
3	1	1	1	1	1	1	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	1	0	0	0	0	0	0	0	0	0	0	6	6	2	2	2	0	0	0	0	0	0	0	0	0	
6	2	6	5	2	2	2	2	1	1	1	1	1	0	1	2	1	1	1	1	1	1	2	1	1	2	
7	1	1	1	1	1	1	1	1	3	6	12	4	2	2	1	1	1	1	1	1	1	1	1	1	2	
8	1	0	1	1	0	1	0	0	1	0	0	1	1	1	0	0	0	1	0	1	1	1	1	3	1	
9	0	0	1	4	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	
10	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1	6	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	1	1	1	9	13	2	2	1	2	3	8	7	2	4	3	1	1	1	1	1	1	1	1	1	1	
13	2	2	2	2	2	2	2	2	3	2	2	3	2	1	4	2	5	2	2	2	2	2	2	3	2	
14	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	3	3	2	1	8	1	4	2	
15	1	1	1	2	2	1	1	1	1	1	0	1	1	1	2	1	1	1	0	1	1	0	0	0	1	
16	0	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	3	1	2	3	2	1	
17	4	5	6	2	13	2	1	4	7	4	3	1	1	1	4	3	4	2	1	1	4	3	2	4	1	
18	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
19	0	0	0	0	0	0	0	0	0	0	0	1	0	1	7	16	8	9	1	0	0	0	0	0	0	
20	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	3	5	3	14	21	16	7	2	1	3	1	2	1	1	1	2	3
22	4	12	18	2	1	1	1	0	1	1	1	2	1	2	1	1	1	1	1	2	1	1	1	1	1	
23	1	1	1	3	2	1	4	1	0	1	0	1	1	1	1	4	8	5	3	1	1	1	1	10	3	
24	10	8	12	6	4	2	3	6	4	5	5	5	7	16	11	10	6	4	4	3	3	3	4	18	7	
25	11	21	34	5	18	5	11	23	5	2	4	2	4	16	2	1	0	1	0	0	0	0	0	0	3	
26	3	8	6	5	5	2	1	3	1	2	4	1	1	2	1	0	1	0	0	0	0	0	0	0	9	
27	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	2	1	1	2	2	1	1	
28	0	0	0	0	1	2	1	1	1	1	1	1	1	2	0	0	0	0	1	0	0	1	0	0	1	
29	0	0	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	
30	1	1	1	1	1	1	1	1	3	3	2	2	2	1	1	1	1	1	1	2	1	4	2	6	2	
MEAN	2	3	4	2	2	2	1	1	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	2	1.9	

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.      \*.\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SADBURY

MONTH - JUL 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	5	3	7	7	6	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3
2	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	2	1	1	3	3	2	2	2	6	4
3	4	6	1	6	1	3	1	7	6	3	2	4	3	4	6	4	3	3	3	1	1	3	11	4	1
4	0	0	1	0	0	0	0	0	0	1	1	1	4	10	8	17	5	2	2	2	2	2	2	2	3
5	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	2	3	2	2	5	3	1	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	2	5	3	3	1	2
7	1	1	1	1	2	3	7	3	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
8	3	2	2	2	5	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2
9	1	1	1	1	0	1	0	0	0	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1
10	2	3	15	8	5	3	2	2	2	14	9	8	8	8	4	4	4	5	9	4	4	2	2	2	5
11	2	2	2	2	6	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
12	0	0	0	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1
13	5	7	3	1	0	1	0	1	0	1	2	6	18	47	13	11	1	4	4	4	2	1	2	2	6
14	2	2	2	1	1	3	4	4	3	2	3	0	0	0	0	1	1	1	1	1	2	2	2	2	2
15	2	2	1	2	1	1	2	1	2	1	1	4	2	3	3	4	4	3	2	1	1	1	1	0	2
16	1	1	0	1	1	1	1	1	1	1	0	0	0	1	2	2	3	2	2	2	1	2	2	1	1
17	1	2	2	1	1	1	1	1	1	2	1	2	1	2	2	2	2	1	1	2	2	1	1	1	2
18	2	1	1	1	1	1	1	1	1	4	6	3	4	3	2	3	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	3	2	2	2	3	7	8	17	31	13	12	8	3	8	6	10	2	2	2	4
20	4	2	4	5	7	12	2	2	2	6	2	2	2	2	6	7	14	4	2	2	2	2	1	2	4
21	1	1	1	1	3	2	2	4	7	5	2	2	1	1	0	1	1	1	1	1	2	1	3	0	2
22	1	1	0	0	1	1	0	0	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0
23	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	3	3	2	1	1	0	1	2	0
24	0	0	1	3	0	2	7	2	3	3	2	3	2	1	2	3	1	2	3	3	1	1	1	1	1
25	0	0	0	1	0	1	0	1	2	3	2	3	11	14	11	8	4	2	1	1	1	1	1	1	3
26	1	1	1	1	1	1	1	1	2	5	4	5	8	3	2	1	1	1	1	2	1	1	2	2	1
27	1	1	1	2	1	1	1	1	1	1	2	2	2	1	1	-	0	0	0	-	-	-	-	0	1
28	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	2
29	9	2	0	2	3	1	0	0	4	2	1	10	17	1	0	0	0	0	0	0	0	0	0	0	2
30	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	2	6	1	7	8	5	2
31	1	1	5	7	8	1	1	1	9	1	2	1	1	1	1	1	2	2	2	2	2	2	1	1	2
MEAN	2	2	2	2	2	2	1	1	2	2	2	3	4	5	3	3	3	2	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77016		ASH ST WATER TANK, SUDBURY												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	1	1	1	2	4	1	3	23	36	2	3	2	2	2	2	2	9	2	1	1	4
2	1	9	4	1	2	2	2	6	2	1	1	1	1	1	1	1	3	2	1	0	9	6	1	1	2
3	1	2	0	0	0	0	0	0	0	0	0	0	0	27	3	0	0	0	0	0	1	0	0	0	1
4	0	1	1	0	1	0	1	0	1	1	16	23	2	1	1	1	1	1	1	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
6	0	0	3	0	0	5	6	2	5	6	16	32	31	2	10	13	2	1	1	4	4	0	0	4	7
7	0	0	1	5	1	1	0	-----	-----	-----	-----	-----	-----	1	2	3	4	3	3	2	2	2	2	2	2
8	2	2	2	2	2	2	2	1	1	1	1	1	1	3	3	4	6	6	5	6	1	1	1	1	2
9	-----	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
10	1	1	0	0	-----	-----	0	0	4	1	5	2	1	2	1	1	2	1	1	1	2	5	1	1	2
11	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	-----	1	0	0	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	1	2	5	8	8	11	2	1	1	1	1	-----	1	1	0	1	1	0	1
14	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
15	0	1	0	0	1	0	0	0	0	3	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0
17	0	0	0	0	1	1	0	1	0	1	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0
18	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1	3	1
19	2	2	1	1	1	1	-----	1	1	1	1	3	6	37	25	26	17	3	3	2	2	2	2	2	6
20	2	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	0	0	0	0	0	0	0	0	1
21	0	0	-----	-----	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	1	0	0	0	0	1	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	3	2	6	5	11	2	2
24	39	18	21	2	1	1	2	1	2	2	5	10	10	8	5	4	3	3	5	11	2	1	2	2	7
25	1	3	6	3	2	2	1	1	1	7	6	3	8	3	9	4	2	2	2	2	2	1	2	2	3
26	2	2	2	2	2	2	2	2	2	2	5	6	5	5	8	9	3	2	2	2	5	11	9	4	4
27	2	1	1	2	1	1	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0
30	1	1	0	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	3	2
31	1	2	5	2	2	4	2	1	2	1	8	14	14	9	5	3	4	5	1	1	1	1	1	1	4
MEAN	2	2	2	1	1	1	1	1	1	1	3	5	4	4	3	3	2	2	1	2	2	2	1	1	2.0

PERCENTAGE OF DATA VALID - 98.1      PERCENTAGE OF DATA INVALID - 1.5      PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																									
POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASM ST WATER TANK, SUDBURY													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	2	1	1	2	1	2	1	1	2	6	3	2	2	1	1	1	1	1	1	2
2	1	1	1	13	17	6	3	3	3	4	2	3	2	1	1	1	1	1	1	1	1	1	1	1	3
3	0	0	1	0	1	0	0	0	1	1	6	7	5	7	2	3	2	1	1	1	1	1	1	0	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	5	7	2	
5	2	3	23	31	28	13	6	11	4	2	2	4	3	1	2	2	1	2	1	1	1	0	1	0	6
6	0	1	1	1	1	1	1	1	1	1	1	1	0	2	1	1	1	1	0	1	1	0	0	1	
7	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	3	1	1	0	0	1	
8	0	0	0	0	0	1	1	0	0	1	0	2	1	16	20	12	8	3	1	1	1	1	1	1	3
9	1	1	1	1	1	2	2	2	5	4	3	2	1	1	1	1	1	1	1	0	1	0	0	1	
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	4	1	2	4	2	3	2
11	5	8	10	1	4	9	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1
13	0	0	1	0	1	1	1	1	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	1	1	1	1	2	1	1	1	1	2	2	3	5	2	1	2	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	4	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	3	4	2	2	2	1	1
18	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
19	2	1	1	1	1	1	1	1	2	0	1	1	2	2	4	2	1	1	1	0	0	0	1	1	1
20	1	1	1	1	1	2	1	2	3	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	1	0	1	1	0	1	0	0	0	1	0	0	0	1	2	4	5	10	1	1	0	1	1
22	0	0	0	0	0	0	2	0	1	1	0	2	3	3	3	2	2	1	1	1	2	1	1	1	1
23	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	0	1	1	2	1	2	2	1	1	1	0	1	1	1	1	0	0	1	1	0	1
25	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1
26	2	1	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0
27	2	5	1	1	1	1	1	0	0	0	1	3	3	4	3	2	2	6	2	1	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	1	0	0	0	1	5	7	8	1	1	4	11	9	4	2	2
29	1	1	0	0	0	1	0	0	0	0	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1
30	3	3	4	6	2	2	1	1	1	1	1	1	1	3	3	3	3	2	1	2	1	1	1	1	2
MEAN	1	1	2	2	2	2	1	1	1	1	1	2	1	2	2	2	2	2	1	2	2	1	1	1	1.5

PERCENTAGE OF DATA VALID - 99.4      PERCENTAGE OF DATA INVALID - 0.0      PERCENTAGE OF DATA UNAVAILABLE - 0.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION								
		STATION - NE NO 77016										ASH ST WATER TANK. SUDBURY							MONTH - OCT 80							
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	2	2	1	4	1	1	0	5	3	1	0
2	1	1	3	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	...	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	13	13	10	8	5	4	3	3	
6	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	1	1	1
7	1	1	1	1	1	0	0	1	1	0	1	0	1	1	4	6	5	2	1	0	1	1	0	1	1	1
8	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	4	2	2	1
9	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1
10	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	0	1	1	1	1	1	1	0	0	1	1	4	4	0	1	1	1	1	1	0	0	0	0	0
12	0	0	0	0	1	0	0	0	0	1	1	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0
13	0	0	1	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	5	6	9	15	5	1	0	1	1	2
15	1	1	1	1	1	1	1	1	1	1	0	1	1	1	11	8	6	15	12	11	17	5	10	7	5	3
16	7	6	7	6	5	7	4	5	3	4	2	3	4	2	2	1	1	2	1	1	1	1	2	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	2	2	2	3	4	3	5	3	1	4	8	1	5	3	3	3	8	4	5	3	5	0	1	0	3
19	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	2	2	1	0	0	0	0	0
20	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	1	0	0
21	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
23	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	2	1	1	1	1
24	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
25	1	1	2	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	0	1	1	0	1	1	1	1	2	1	0	0	1	0	1	0	1	1	0	1
27	2	1	2	1	5	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0
28	1	0	0	1	1	0	1	0	0	1	0	1	0	1	0	2	5	3	3	3	5	5	3	2	6	2
29	0	0	1	0	1	1	0	0	0	0	1	0	2	2	2	2	2	2	2	2	2	4	5	8	5	4
30	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	3	3	3	3	5	8	8	9	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	2	1	1.3

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																	UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 77016																	ASH ST WATER TANK. SUDBURY									
MONTH - NOV 80																										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
2	0	1	0	0	0	0	0	0	1	0	1	5	10	6	4	4	2	1	0	0	1	1	1	1	2	
3	1	1	1	1	2	2	1	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	
4	1	1	1	1	6	2	1	2	0	0	0	1	0	1	0	0	2	0	0	1	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
6	7	3	2	3	1	1	0	1	1	0	1	4	0	5	1	1	0	1	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	1	1	4	3	4	0	0	0	0	0	1	0	0	1	1	1	2	1	1	
8	0	0	0	0	0	0	0	0	0	0	1	0	3	14	2	1	1	0	0	0	0	0	0	0	1	
9	1	0	0	0	0	0	1	1	0	1	2	0	1	2	8	3	1	0	0	1	0	0	1	0	0	
10	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	
11	1	0	0	1	1	0	0	0	0	1	0	1	0	0	1	0	0	1	0	0	1	-	0	1	0	
12	0	1	0	0	0	0	0	0	0	1	0	0	1	1	4	4	1	1	1	1	1	2	3	1	1	
13	2	1	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	1	1	***	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	
15	1	1	3	26	19	3	1	0	0	0	0	0	1	0	0	0	4	2	1	1	0	1	1	1	2	
16	0	0	0	0	0	0	1	0	0	1	0	0	12	6	5	1	2	1	1	1	0	1	0	1	1	
17	1	1	1	1	3	1	1	1	1	1	1	-	0	1	1	1	0	0	1	1	1	2	1	1	1	
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	4	3	7	5	6	5	3	
19	1	1	6	1	1	1	1	2	3	6	1	1	3	4	2	1	1	1	1	1	1	1	1	1	1	
20	12	6	6	9	12	2	12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	1	1	3	2	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
22	2	3	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
23	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	1	1	2	1	
24	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	
25	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	
26	6	3	2	1	1	2	2	2	3	1	4	4	1	5	3	2	1	1	2	1	1	1	1	1	1	
27	-	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	2	2	1	1	
28	1	1	1	2	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	2	12	12	5	1	2	
29	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	3	
30	2	0	4	4	3	11	13	13	2	5	3	7	3	3	1	2	1	1	1	1	1	1	1	1	1	
MEAN	2	1	1	2	2	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1.3	

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY															MONTH - DEC 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	0	1	1	0	1	1	1	0	0	0	1	3	1	1	1	2	1	2	1	9	8	1	1	0	2				
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	0	1	1				
3	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	0	1	1	0	1	1				
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	8	7	3	1	0	1	0	0				
5	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	1	0				
7	- DATA INVALID -																												
8	- DATA INVALID -																												
9	- DATA INVALID -																												
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0				
11	0	9	6	4	4	4	4	4	4	4	2	3	3	2	1	2	2	1	2	2	-	-	-	4	3				
12	3	3	4	4	4	3	3	3	2	1	1	1	2	1	1	1	1	1	1	1	5	4	25	3	3				
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	2	1				
14	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
15	1	2	1	1	1	1	1	2	6	3	5	6	4	3	3	1	1	1	1	1	1	1	1	1	2				
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
17	1	1	1	2	2	1	2	2	2	1	1	2	1	2	2	2	2	1	1	1	1	1	1	2	2				
18	3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1				
19	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0				
20	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	27	18	1	0	0	2				
21	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	8	2	21	20	9	5	0	0	3				
22	2	3	3	17	4	1	1	1	1	0	0	0	1	2	2	1	2	2	2	2	2	2	2	2	2				
23	2	2	2	3	2	2	2	2	2	2	2	2	4	5	9	4	2	2	2	2	2	2	2	2	3				
24	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
25	1	1	1	1	3	3	9	4	2	3	3	6	4	3	2	1	2	2	2	2	2	2	2	3	3				
26	2	2	2	2	2	2	2	2	3	6	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2				
27	2	1	1	1	2	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2				
28	4	1	2	2	2	2	2	2	3	2	2	2	2	4	4	2	2	3	2	4	6	7	2	2	3				
29	2	2	3	7	11	2	2	2	1	2	2	3	3	2	2	2	2	2	2	1	2	2	2	2	3				
30	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	3	2				
31	3	2	2	2	2	2	3	5	5	3	2	1	0	0	1	2	0	0	0	0	0	0	0	0	2				
MEAN	1	2	1	2	2	1	2	2	2	2	1	2	1	1	2	1	2	2	3	3	2	2	2	1	1.7				

PERCENTAGE OF DATA VALID - 83.2

PERCENTAGE OF DATA INVALID - 15.5

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	3	17
FEB	29	1.0	3	13
MAR	25	1.8	5	32
APR	30	1.4	5	36
MAY	31	2.2	7	56
JUN	29	1.9	9	34
JUL	31	2.2	6	47
AUG	31	2.0	7	39
SEP	30	1.5	6	31
OCT	31	1.3	5	17
NOV	30	1.3	3	26
DEC	25	1.7	3	27
YEAR	353	1.6	9	56



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	722	15	1	1	0	0	0	0	0	0	0	739
FEB	663	8	3	0	0	0	0	0	0	0	0	674
MAR	596	22	8	1	3	1	0	0	0	0	0	631
APR	692	13	4	1	1	1	1	0	0	0	0	712
MAY	682	40	10	4	0	1	1	1	1	1	1	739
JUN	642	29	9	7	4	1	0	0	0	0	0	692
JUL	672	46	13	4	0	1	1	1	1	0	0	737
AUG	675	32	7	4	4	7	0	0	0	0	0	730
SEP	688	17	5	3	1	2	0	0	0	0	0	716
OCT	710	21	7	1	0	0	0	0	0	0	0	739
NOV	688	15	10	1	0	1	0	0	0	0	0	715
DEC	594	18	1	3	2	1	0	0	0	0	0	619
YEAR	8025	276	78	32	15	16	2	2	1	1	1	8445

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.1	0	0.0	0.1	0.5	1.0	2.8	5.0	9.0	12.9	56	1.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77017 MORGAN SUDBURY AIRSHED

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	9	3	7	6	7	5	2	4	4	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	2	2	2	1	2	3	2	3	4	2	2	2	1	1	1	1	1	1	2	3	1	1	2	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77017 MORGAN SUDBURY AIRSHED												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	10	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
7	2	6	6	3	2	2	1	1	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	4	6	2	6	16	15	14	20	15	14	14	9	6	6
11	2	1	4	4	5	4	3	2	2	4	2	1	1	2	1	1	1	3	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	2	2	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
20	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	4	3	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	1	0	0	0	0
27	0	0	1	7	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77017 MORGAN SUDBURY AIRSHED												MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	
9													- DATA INVALID -													
10													- DATA INVALID -													
11													- DATA INVALID -													
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	11	5	5	4	2	2	2	
13	2	1	1	0	0	0	1	1	0	0	0	2	1	0	3	4	7	0	0	0	0	5	2	1	1	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	3	5	3	1	0	0	0	0	0	4	3	3	3	4	1	
17	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18													- DATA INVALID -													
19													- DATA INVALID -													
20													- DATA INVALID -													
21													- DATA INVALID -													
22													- DATA INVALID -													
23													- DATA INVALID -													
24													- DATA INVALID -													
25													- DATA INVALID -													
26													- DATA INVALID -													
27													- DATA INVALID -													
28													- DATA INVALID -													
29													- DATA INVALID -													
30													- DATA INVALID -													
31													- DATA INVALID -													
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0.3	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77017 MORGAN SUDBURY AIRSHED											MONTH - APR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA INVALID -													
2												- DATA INVALID -													
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	9	12	8	5	3	2	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
8												- DATA INVALID -													
9												- DATA INVALID -													
10												- DATA INVALID -													
11												- DATA INVALID -													
12												- DATA INVALID -													
13												- DATA INVALID -													
14												- DATA INVALID -													
15												- DATA INVALID -													
16												- DATA INVALID -													
17												- DATA INVALID -													
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	1	5	5	4	5	8	13	10	1	1	3	0	0	2	2	0	0	2
23	0	0	0	0	0	0	0	1	2	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0.4

PERCENTAGE OF DATA VALID - 56.8

PERCENTAGE OF DATA INVALID - 43.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77017 MORGAN SUDBURY AIRSHED											MONTH - MAY 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1	2	3	4	5	4	2	1	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
7	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17												- DATA UNAVAILABLE -													
18												- DATA UNAVAILABLE -													
19												- DATA UNAVAILABLE -													
20												- DATA UNAVAILABLE -													
21												- DATA UNAVAILABLE -													
22												- DATA UNAVAILABLE -													
23												- DATA UNAVAILABLE -													
24												- DATA UNAVAILABLE -													
25												- DATA UNAVAILABLE -													
26												- DATA UNAVAILABLE -													
27												- DATA UNAVAILABLE -													
28												- DATA UNAVAILABLE -													
29												- DATA UNAVAILABLE -													
30												- DATA UNAVAILABLE -													
31												- DATA UNAVAILABLE -													
MEAN	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 24.2

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 75.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77017 MORGAN SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.3	3	24
FEB	29	0.4	6	20
MAR	12	0.3	2	11
APR	17	0.4	2	19
MAY	7	0.2	1	6
YEAR	96	0.4	6	24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77017 MORGAN SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	734	5	1	0	2	0	0	0	742
FEB	679	10	5	2	0	0	0	0	696
MAR	319	2	1	0	0	0	0	0	322
APR	401	5	2	1	0	0	0	0	409
MAY	179	1	0	0	0	0	0	0	180
YEAR	2312	23	9	3	2	0	0	0	2349

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
64.4	0	0.0	0.0	0.0	0.0	0.3	1.6	4.4	6.9	24	0.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77018																ST. CHARLES SUDBURY AIRSHED										
MONTH - JAN 80																										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	1	4	11	13	7	3	1	0	0	0	0	0	0	0	0	2	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	1	1	1	1	1	1	0	0	0	0	1	1	5	4	4	4	3	2	1	1	1	1	1	1	2	
5	1	1	0	0	0	0	1	1	1	5	6	2	2	1	1	0	0	1	2	1	2	2	2	2	0	
6	2	4	6	5	5	5	5	4	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	
7	0	0	0	1	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	2	5	3	1	1	0	0	0	0	0	0	0	0	0	0	1	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
11	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	1	2	11	15	1	4	5	10	10	1	2	2	2	2	2	2	2	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	
14	2	1	1	1	1	1	1	1	1	1	1	1	0	2	3	10	8	13	8	6	5	3	2	3	0	
15	1	0	0	0	0	0	0	0	0	1	3	4	4	3	2	2	1	1	1	1	0	0	0	0	1	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	2	3	0	0	1	0	1	0	6	4	1	4	2	0	0	0	0	0	0	0	0	0	0	1
20	0	1	1	0	0	0	0	0	0	0	0	0	3	5	14	10	4	1	1	2	0	0	0	0	2	
21	1	0	0	0	0	0	0	0	0	0	0	3	2	0	5	20	11	7	4	1	1	1	1	1	2	
22	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	0	0	0	
24	2	2	7	9	4	4	3	6	3	1	0	0	1	4	1	15	18	11	9	7	5	4	3	2	1	
25	3	3	2	2	1	1	1	1	1	0	0	1	1	4	8	7	5	2	3	3	3	2	1	0	0	
26	1	1	1	1	0	1	0	1	1	1	1	1	1	1	2	3	3	3	2	1	1	0	0	0	0	
27	0	0	0	0	0	0	1	2	3	2	1	0	1	0	1	1	0	1	3	1	0	0	0	0	1	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	2	2	2	1	1	1	1	1	0	1.1

PERCENTAGE OF DATA VALID - 97.6      PERCENTAGE OF DATA INVALID - 2.4      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77018		ST. CHARLES SUDBURY AIRSHED												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	3	3	4	4	3	2	2	2	2	2	1	1	0	3	7	6	6	9	6	1	1	0	0	0
7	5	3	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	1	1	1	1	2	2	2	4	4	3	2	1	1	1	2	2	3	3	3	2	2	2	2
11	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
12	1	1	1	1	1	1	1	1	1	1	1	0	0	0	4	12	8	2	2	2	1	1	1	1	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	2	2	1	1	0	0	0	0	1	4	3	2	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	1	1
22	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	0	0	0	1	4	5	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	14	3	1	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 97.4      PERCENTAGE OF DATA INVALID - 2.6      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED										MONTH - JUL 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	6	2	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	1	1	4	0	1	1	1	0	0	0	0	0	0	1	0
15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	- DATA INVALID -																								
17	- DATA INVALID -																								
18	- DATA INVALID -																								
19	- DATA INVALID -																								
20	- DATA INVALID -																								
21	- DATA INVALID -																								
22	- DATA INVALID -																								
23	- DATA INVALID -																								
24	- DATA INVALID -																								
25	- DATA INVALID -																								
26	- DATA INVALID -																								
27	- DATA INVALID -																								
28	- DATA INVALID -																								
29	- DATA INVALID -																								
30	- DATA INVALID -																								
31	- DATA INVALID -																								
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 42.7      PERCENTAGE OF DATA INVALID - 57.3      PERCENTAGE OF DATA UNAVAILABLE - 0.0  
 NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    - - - INDICATES DATA IS UNAVAILABLE  
 3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																																			
POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED												MONTH - AUG 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1													- DATA INVALID -																						
2													- DATA INVALID -																						
3													- DATA INVALID -																						
4													- DATA INVALID -																						
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0										
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
10	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0										
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0										
13	0	0	0	0	0	0	0	0	0	0	2	10	1	1	1	1	1	1	0	0	0	0	0	0	0										
14	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	12	2	1	1	0	0	0	0	0	0										
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0										
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0										
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
22	0	0	0	0	0	0	0	0	0	0	2	10	8	2	1	0	1	1	0	0	0	0	0	0	0										
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0										
24	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0										
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0										
31	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0										
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0.2										
PERCENTAGE OF DATA VALID - 84.8												PERCENTAGE OF DATA INVALID - 14.8												PERCENTAGE OF DATA UNAVAILABLE - 0.4											
NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE																																			
2. ** INDICATES DATA IS UNAVAILABLE																																			
3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY																																			



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	1	1	1	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	2	1	1	3	4	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	4	2	2	1	1	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	5	4	3	3	***	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	0	0	0	0	1	1	1	2	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED													MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	1	1	3	17	3	3	5	4	1	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	1	0	0	0	1	1	0	4	3	0	4	8	1	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	1	1	1	2	3	1	0	0	0	0	0	0	1	1	0	0	0
21	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	1	0	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	2	0	0	0	0	1	1	0	0	1	1	2	3	2	2	1	0	1	2	0	0	0	1	0	1
27	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	7	5	2	1	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	3	3	2	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77018													ST. CHARLES SUDBURY AIRSHED												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	1	1	1	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	12	5	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	0	1	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	2	1	0	0	1
5	0	0	0	1	1	1	1	0	0	0	0	0	0	0	5	7	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	3	4	3	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	1	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	3	4	1	1	3	2	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
21	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0
22	4	14	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1
23	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	2	2	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77018		ST. CHARLES SUDBURY AIRSHED												MONTH - DEC 80										24	MEAN
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	21	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	22	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	23	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	29	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	31	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	5	20
FEB	29	0.5	3	14
MAR	15	0.4	2	6
APR	15	0.2	1	12
MAY	31	0.2	1	10
JUN	30	0.2	2	8
JUL	13	0.2	1	11
AUG	26	0.2	1	12
SEP	30	0.2	1	8
OCT	31	0.3	2	17
NOV	30	0.3	2	14
DEC	31	0.6	2	11
YEAR	312	0.4	5	20

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	689	22	12	3	0	0	0	0	726
FEB	670	6	2	0	0	0	0	0	678
MAR	349	4	0	0	0	0	0	0	353
APR	398	1	1	0	0	0	0	0	400
MAY	718	3	0	0	0	0	0	0	721
JUN	712	2	0	0	0	0	0	0	714
JUL	316	1	1	0	0	0	0	0	318
AUG	627	3	1	0	0	0	0	0	631
SEP	717	1	0	0	0	0	0	0	718
OCT	738	3	0	1	0	0	0	0	742
NOV	707	4	3	0	0	0	0	0	714
DEC	720	9	4	0	0	0	0	0	733
YEAR	7361	59	24	4	0	0	0	0	7448

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84.8	0	0.0	0.0	0.0	0.0	0.7	1.6	3.6	5.6	20	0.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77023		HAPPY VALLEY FALCONBRIDGE												MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	1	0	0	0	1	1	0	2	2	4	2	2	2	2	1	1	1	0	0	1	0	1.1

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 4.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77023		HAPPY VALLEY FALCONBRIDGE												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	3	2	3	5	2	3	2	2	2	2	2	2	2	2	2	1	0	0	0	1	1	1	1	1.7

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77023												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	35	58	24	0	0	2	3	2	2	2	6	2	6
2	0	0	0	0	0	0	1	4	5	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	1
3	0	2	0	0	0	0	0	0	0	1	5	10	2	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	1	9	0	1	4	16	20	3	6	0	9	11	0	0	0	3
5	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	2	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	2	2	2	1	0	2	3	1	2	1	2	4	0	0	0	0	0	0	0	0	1	1	1
8	0	0	0	0	0	0	0	0	0	0	0	13	16	18	41	0	0	0	0	1	4	12	18	18	6
9	13	11	6	5	3	2	1	1	1	1	6	1	6	3	0	0	0	0	0	0	0	0	0	0	3
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	7	4	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	3	2	14	20	2	0	3	1	0	1	1	0	0	1	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	2	2	1	1	2	2	1	17	1	1	4	4	1	1	4	4	2	2
16	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
21	1	1	4	2	2	2	3	18	100	152	61	13	0	0	0	0	0	0	0	0	0	0	0	0	15
22	0	0	0	0	0	0	0	0	1	12	0	5	4	15	10	9	1	0	8	1	0	1	0	0	3
23	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	2	2	2	2	1	1	0	1	1	1	2	5	1	1	1	2	14	36	0	1	0	3
25	0	0	0	0	0	0	0	0	0	0	0	1	9	16	20	9	0	0	3	5	3	11	2	0	4
26	1	0	0	0	0	0	1	0	5	0	0	0	1	12	0	0	2	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	0	1	0	0	1	1	0	0
29	1	1	1	1	1	2	1	1	1	1	0	0	1	1	1	0	1	1	2	1	2	2	0	0	1
30	3	1	1	1	1	0	0	0	0	0	0	0	0	0	10	8	7	3	1	0	0	0	1	0	2
31	2	0	0	0	4	0	0	0	0	0	0	0	4	8	0	0	0	0	1	0	0	0	0	0	1
MEAN	1	1	0	0	1	0	0	1	4	7	3	2	4	5	5	2	1	1	1	1	2	1	1	1	1.8

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77023												MONTH - APR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	12	17	6	6	43	40	4	0	0	0	0	1	1	6
2	1	1	0	0	55	12	2	28	28	0	2	0	1	6	0	0	1	5	0	0	0	0	0	0	6
3	0	1	0	0	0	0	0	0	0	0	0	5	19	5	10	13	1	1	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	13	1	3	1	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	0	0	0	3	4	1	3	2	3	2	3	1	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	12	1	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	15	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	14	45	15	67	85	116	31	7	94	139	103	33
16	45	44	43	3	3	3	1	2	4	0	0	111	71	68	89	48	15	0	4	0	0	0	0	0	25
17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
18	0	0	0	0	0	9	11	8	0	0	0	29	10	23	6	4	19	3	1	3	2	0	0	0	6
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	2	25	16	10	1	0	17	20	42	2	0	0	0	0	0	0	0	0	0	0	6
21	0	6	2	0	0	0	0	7	4	0	18	9	10	8	6	0	0	3	0	0	0	0	0	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	3	6	5	2	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	2	9	10	7	1	0	0	1	10	25	9	7	4	5	3	2	4
25	2	2	2	2	14	10	0	0	19	0	9	10	0	6	2	0	3	0	1	0	1	0	12	14	5
26	1	0	0	0	0	10	18	0	0	0	0	0	1	5	0	8	10	14	1	0	4	8	3	2	4
27	2	0	0	5	2	1	1	1	1	0	2	0	1	0	2	0	1	0	2	3	1	3	2	0	1
28	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	0	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
MEAN	2	2	2	1	3	2	2	2	2	1	2	7	6	5	6	5	6	6	5	2	1	4	5	4	3.8

PERCENTAGE OF DATA VALID - 96.3

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77023					HAPPY VALLEY FALCONBRIDGE							MONTH - MAY 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	0	0	0	0	0	0	0	0	0	0	0	18	0	0	17	0	0	0	1	1	2	3	2
2	2	1	1	1	2	3	9	0	***	***	29	16	0	1	24	3	15	18	5	0	0	0	0	0	6
3	2	0	0	35	36	55	20	0	0	1	2	2	10	6	14	6	13	35	14	0	0	0	0	0	10
4	0	0	0	0	0	0	0	3	2	3	5	11	14	4	1	0	0	2	8	3	1	0	0	0	2
5	0	0	0	0	0	0	0	0	0	1	5	10	36	20	26	14	0	0	5	13	0	0	16	41	7
6	0	0	0	0	0	0	21	11	14	***	64	11	0	1	5	13	6	1	0	0	0	0	0	0	6
7	0	0	0	0	0	0	0	0	0	0	12	9	17	0	0	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	1	17	***	2	1	3	***	3	0	0	0	7	0	0	0	0	0	2
13	0	0	0	0	9	6	2	5	4	***	5	3	12	1	2	0	2	6	0	0	21	35	15	6	6
14	0	2	0	0	0	7	0	16	0	3	21	22	19	1	0	0	6	5	9	0	0	10	18	7	6
15	***	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	5	2	0	0
16	0	0	0	0	0	0	0	1	***	16	62	53	34	14	3	4	38	13	10	2	0	0	0	0	11
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	1	0	0	0	0	0	0	0	1	3	9	5	15	4	3	0	0	0	3	1	0	2
19	0	10	28	10	1	1	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	1	1	1	0	1	1	1	1	0	1	13	2	1	0	0	0	0	0	1	1	1	1
21	0	0	0	0	1	1	0	1	1	5	12	6	16	11	2	0	0	0	1	2	0	0	0	0	2
22	0	0	0	0	0	0	0	5	8	***	1	3	11	11	12	7	2	5	2	1	2	0	0	0	3
23	0	0	0	0	0	0	0	0	0	0	0	1	4	14	21	24	4	0	2	2	0	0	0	0	3
24	0	0	0	0	0	0	0	6	41	***	3	0	11	0	0	1	0	2	2	0	0	7	0	0	3
25	1	1	1	0	1	1	1	1	1	12	***	2	13	16	21	7	9	6	7	5	31	18	6	51	24
26	38	53	61	37	20	8	66	35	2	***	6	25	6	3	16	22	2	0	0	0	0	0	0	0	17
27	0	29	9	35	0	0	8	10	9	***	0	***	0	0	0	0	0	0	0	0	0	0	0	0	5
28	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	7	11	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	13	0	16	12	35	4
MEAN	2	3	3	4	2	3	4	3	4	3	8	8	7	5	4	4	4	3	3	2	1	3	5	3	3.7

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77023					HAPPY VALLEY FALCONBRIDGE							MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	0	0	16	8	6	9	13	4	****	4	1	0	0	0	0	0	0	0	0	0	0	0	0	3
2	0	0	0	0	0	0	****	0	0	****	0	0	0	0	0	0	1	4	0	4	2	1	0	0	1
3	0	0	0	0	0	0	0	0	0	14	30	16	0	8	4	4	1	5	11	0	0	5	0	0	4
4	0	0	0	0	0	0	****	22	53	30	16	12	6	4	4	25	9	20	17	24	9	0	0	0	11
5	0	0	0	0	0	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
7	1	0	0	0	0	0	0	0	0	1	3	2	2	1	0	0	0	0	0	0	2	12	0	0	1
8	0	0	6	1	6	0	0	0	6	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	15	49	82	17	29	15	10	5	0	0	0	10
10	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	1	1	0	0	0	0	****	0	****	0	6	10	7	17	6	9	17	0	0	0	0	0	0	2
12	0	0	0	0	0	0	1	2	2	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	****	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	2
15	****	0	2	2	2	1	1	6	24	13	18	6	4	5	3	8	16	54	27	0	0	0	0	0	0
16	****	8	14	5	0	1	2	4	****	7	19	36	7	0	0	0	0	0	0	0	2	0	0	0	5
17	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	5	69	****	41	4	3	14	3	7	1	2	0	1	7	1	0	0	7
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20	15	4	0	0	0	0	1	1	23	8	27	40	47	12	16	19	2	51	0	0	0	0	0	0	11
21	0	0	0	0	0	0	0	0	0	0	0	1	0	4	6	4	7	4	6	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	****	0	0	0	0	0	0	4	5	2	0	2	2	1	1	0	0	0	1
24	0	1	1	1	0	0	0	****	1	0	2	1	0	0	8	9	7	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	3	****	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	4	11	3	0	0	1	69	97	56	53	60	50	1	18
27	2	2	1	3	37	41	25	25	11	****	6	8	11	0	1	1	1	0	0	0	0	0	0	0	8
28	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	1
30	3	3	1	0	0	0	0	0	0	****	4	3	1	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	2	2	1	3	7	5	5	4	5	3	5	5	2	7	7	4	3	3	2	1	3.3



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77023												MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	6	0	0	0	3	10	6	7	0	7	9	0	1	2	0	0	0	0	0	0	4	1	0	0	2
3	1	1	1	1	0	0	0	0	0	8	24	15	8	4	5	8	14	15	2	6	6	3	2	0	5
4	0	0	0	0	0	0	0	0	0	25	6	12	1	0	0	0	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	3	2	2	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	5	0	6	13	8	7	7	4	2	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	15	6	3	3	5	7	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	7	15	9	8	2	9	12	2	0	1	0	0	0	0	3
20	0	0	0	0	0	1	2	0	0	0	0	0	0	6	6	6	3	4	6	2	0	0	0	0	1
21	0	0	0	0	0	0	0	0	33	6	3	1	1	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	5	12	4	2	6	1	0	0	18	28	6	13	2	0	4
23	0	0	4	2	1	0	0	0	2	0	39	2	0	0	0	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	1	5	22	16	3	0	2	0	1	1	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	11	33	9	1	1	0	0	2
26	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	21	3	2	9	8	43	0	0	0	0	0	0	0	0	0	5
30	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	4	8	3	0	0	0	2	3	1
31	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	2	2	4	2	2	2	3	1	2	2	2	2	1	1	0	0	1.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77023												MONTH - AUG 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	1	10	16	15	3	3	2	1	2	0	0	0	0	0	0	2
2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	0	2	4	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	7	5	11	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	8	10	9	11	5	5	6	1	2	3	1	0	0	0	3
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	14	7	2	0	0	0	0	1	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	1	0	0	0	0	
9	0	0	0	0	0	0	2	22	15	0	0	0	0	0	0	0	0	0	1	8	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	1	2	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	10	29	12	1	18	33	0	3	19	0	0	0	0	0	1	5
13	0	0	0	0	0	0	0	0	0	0	7	12	12	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	42	28	24	15	9	31	23	39	0	0	0	0	0	0	0	0	9
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	2	49	63	47	1	0	25	40	12	14	1	0	0	0	0	0	11
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	43	4	17	9	3	0	13	27	7	3	4	0	0	0	0	5	0	0	0	0	6
24	0	0	1	0	0	0	0	0	0	0	0	1	3	0	25	5	4	6	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	2	1	0	0	0	0	1	3	2	5	8	8	11	7	3	1	0	0	0	0	2
27	1	0	0	0	0	0	0	4	1	0	2	1	0	0	0	0	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	4	6	5	8	12	10	7	0	0	0	0	0	0	0	0	2
MEAN	0	0	0	0	1	0	1	1	2	3	6	5	2	4	4	4	2	2	0	0	0	0	0	0	1.6

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE



UNITS - 0.01 PARTS, MILLION

HAPPY VALLEY FALCONBRIDGE

MONTH - SEP 80

[illegible]

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77023

HAPPY VALLEY FALCONBRIDGE

MONTH - OCT 80

[illegible]

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 3.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77023											HAPPY VALLEY FALCONBRIDGE														
											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0
2	0	0	1	6	2	0	0	0	0	0	0	0	0	2	13	2	18	12	2	1	1	1	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	21	21	17	2	9	18	1	12	5	1	5
8	0	0	0	0	0	0	1	1	1	0	20	0	0	0	3	32	15	4	1	0	1	5	2	1	4
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	1	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
15	0	0	1	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	2	0	0	1	0	5	23	1	1	0	0	3	12	14	0	0	0	0	0	0	0	0	3
19	0	0	0	0	0	0	1	1	1	1	1	0	0	0	2	3	1	0	0	1	0	4	3	1	1
20	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	36	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	11	37	7	59	45	61	7	19	36	95	4	46	40	50	22
25	7	4	7	11	2	3	8	1	1	1	16	17	0	0	0	0	0	0	0	0	0	0	0	0	3
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	3	1	1	1	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0
30	0	0	0	0	0	0	0	1	0	1	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	2	1	0	0	0	0	1	0	2	4	1	3	3	5	2	1	2	4	0	3	2	2	1.7

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77023											HAPPY VALLEY FALCONBRIDGE														
											MONTH - DEC 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	13	2	
2	0	0	0	1	1	0	1	1	0	1	1	9	24	45	11	16	55	173	70	20	20	5	9	45	21
3	3	2	0	1	0	1	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	4	5	9	10	5	3	3	3	3	2	1	0	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	3	3	3	0
10	4	5	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	0
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	1	1	0	1	2	0
17	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	2	1	1	0	0	0	0	7	1
24	55	34	34	10	6	3	2	4	30	32	22	9	0	0	0	0	0	0	0	0	0	0	0	0	10
25	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	1	0	1	1	26	8	1	27	7	16	18	15	3	0	2	5
30	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	1	1	1	0	0	0	1	1	1	1	2	2	1	2	2	6	3	1	1	0	1	2	1.5



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77023 HAPPY VALLEY FALCONBRIDGE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	10	42
FEB	29	1.7	10	84
MAR	31	1.8	15	152
APR	30	3.5	33	139
MAY	31	3.7	17	66
JUN	30	3.3	18	97
JUL	31	1.2	5	43
AUG	31	1.6	11	63
SEP	30	1.3	6	50
OCT	31	1.7	17	58
NOV	30	1.7	22	95
DEC	31	1.5	21	173
YEAR	366	2.0	33	173

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77023 HAPPY VALLEY FALCONBRIDGE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	669	24	6	4	1	3	1	0	708
FEB	627	25	6	9	2	5	0	3	677
MAR	673	17	12	10	1	3	1	4	721
APR	609	34	14	10	3	4	8	11	693
MAY	592	44	29	20	11	17	2	8	723
JUN	592	38	17	13	7	8	5	11	691
JUL	681	33	11	2	4	4	1	0	736
AUG	686	22	15	4	5	6	5	1	744
SEP	672	14	10	6	5	8	1	1	717
OCT	665	21	9	6	3	9	4	2	719
NOV	669	10	11	7	3	5	3	4	712
DEC	705	11	3	5	2	6	2	4	738
YEAR	7840	293	143	96	47	78	33	49	8579

FREQUENCY DISTRIBUTION BY PERCENTILES

DISTRIBUTION BY PERCENTILES				CONCENTRATIONS							MAX	ARITH MEAN
PERCENT OF DATA VALID	MIN	10	30	FREQUENCY DISTRIBUTION			PERCENT					
				50	70	90	95	98	99			
97.7	0	0.0	0.0	0.0	0.0	3.8	10.6	24.1	37.7	173	2.0	



POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON														MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	****	2	2	****	4	8	10	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	0	0	0	0
4	0	0	0	0	0	0	0	1	0	0	2	4	5	25	40	10	8	8	6	6	6	4	3	1	6
5	1	0	0	0	****	0	0	0	0	0	1	11	8	4	4	3	6	3	4	7	5	4	3	2	3
6	2	3	4	5	4	4	4	4	4	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	2
7	0	1	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	1	1	1	2	1	5	4	1
8	0	0	0	0	0	0	0	0	0	0	0	21	43	23	8	12	12	12	10	1	1	1	2	1	6
9	2	2	1	1	1	0	0	0	0	0	1	1	1	3	2	0	1	0	0	0	2	2	1	1	1
10	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
11	1	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	7	3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
14	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	2	1	0	0	1	1	0	1	1	1
16	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	****	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0
20	0	1	0	0	0	0	0	0	0	0	0	0	0	3	2	1	0	0	0	0	0	1	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	0	1	6	7	5	3	3	2	1	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	2	3	1	1	2	3	2	1	1	1	1	0	1	1	1
25	1	1	1	1	1	0	0	0	0	1	1	1	2	2	9	3	3	3	3	3	2	2	1	1	2
26	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	1	1	0	0	1	1	0	1	1	0
27	2	2	1	1	0	0	1	1	0	0	1	4	7	***	6	3	2	3	4	***	3	2	3	3	2
28	2	3	2	0	0	2	2	0	1	0	0	1	3	8	8	5	2	11	33	30	18	2	1	0	6
29	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	0	1	1
30	0	1	0	0	1	0	0	1	1	0	0	0	0	0	1	***	1	0	0	-	0	0	0	0	0
31	0	0	0	0	1	1	3	1	0	0	0	0	0	0	3	1	0	0	0	1	0	0	0	1	1
MEAN	0	1	0	1	1	1	1	1	1	0	1	2	3	3	3	2	1	2	2	2	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	2	2	0	18	25	27	32	1	1	1	1	1	1	1	1	1
6	1	1	1	2	3	4	4	4	4	3	1	1	2	1	5	0	0	0	0	0	0	0	0	0	0
7	3	3	3	2	4	3	2	1	1	4	9	23	18	1	3	5	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	5	3	2	0	0	0	0	0	0
9	0	0	0	0	1	0	1	0	0	0	1	6	6	16	13	25	43	33	30	32	22	17	11	5	11
10	4	3	2	2	2	1	2	1	1	1	2	3	3	2	1	3	4	3	3	3	3	2	2	1	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1
12	2	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	7	8	3	3	2	2	1	1	1	1	2	1	1	3	1	1	1	1	1	1	1	1	1	1	2
17	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	2	1	2	3	4	5	2
18	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	2	2	3	2	3	3	2	1	1
21	1	1	1	1	1	1	14	1	1	1	0	0	1	1	1	1	2	3	3	2	2	2	2	2	2
22	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	3	3	3	3	3	1	1	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1
24	0	1	1	1	1	1	2	1	1	3	0	2	4	3	2	2	5	3	1	0	0	0	0	0	0
25	4	0	0	0	1	0	2	0	1	23	33	85	32	17	41	9	1	1	0	0	0	0	0	0	10
26	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
29	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	2	1	1	2	2	5	3	3	4	4	3	2	2	2	2	2	1	1	1.3

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON													MONTH - MAR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	3	2	.....	.....	.....	.....	1
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	DATA INVALID	.....	.....	0	.....	0	0	1	1	1	1	1	.....
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	5	1	1	1	1	1	1	1	2
4	1	1	1	1	1	1	1	1	1	1	2	4	3	6	2	1	1	1	1	1	1	1	1	1	2
5	1	1	1	1	1	1	1	1	1	8	7	1	1	1	1	1	0	0	0	0	0	0	0	0	1
6	1	1	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	2	6	3	2	6	3	2	6	4	6	6	4	6	9	10
8	0	0	0	0	0	0	0	0	0	0	6	9	19	40	31	12	38	0	0	0	0	0	0	0	2
9	7	6	6	5	7	6	5	4	3	1	1	2	5	1	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	5	8	5	2	0	0	
11	2	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1
17	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
19	1	2	1	1	1	1	0	0	0	0	1	1	.....	0	1	1	1	1	1	1	1	1	1	1	1
20	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	3	2	2	2	2	1	2
21	1	2	7	7	3	2	8	18	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	4	0	0	0	0	0	0	0	0	0	0	1	4	1	1	1	2	2	1	1	1	1	1	1
24	1	1	1	1	1	2	2	2	2	1	0	1	2	14	25	6	2	3	25	2	1	1	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	1	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	4	5	6	9	2	4	4	2	2	1	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	4	2	1	1	0	0	0	1
28	0	0	0	0	0	0	0	1	1	0	1	0	0	1	9	1	2	2	3	4	4	4	2	0	2
29	0	0	0	0	0	1	2	2	2	1	9	1	0	0	2	1	5	3	9	3	1	1	0	0	1
30	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	5	3	9	3	1	1	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	1	1	1	1	2	1	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	0	1	1	2	2	3	3	2	2	2	3	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 94.1 PERCENTAGE OF DATA INVALID - 5.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON													MONTH - APR 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	-	0	1	16	23	12	16	10	2	1	1	1	0	0	0	4
2	0	0	1	1	1	0	0	0	0	10	4	21	8	1	1	0	1	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	1
4	1	1	1	0	0	0	0	0	0	0	1	2	4	1	1	1	2	2	23	4	3	8	0	0	0
5	1	1	1	1	1	2	2	2	3	3	1	2	4	1	1	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0
7	1	1	1	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1
8	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1
9	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
10	1	1	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	1	1	2	3	1	0	0	0	0	2	10	0	0	0	0	0	-
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	2	0
13	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	1	1	2
15	0	0	0	0	0	0	1	1	1	1	1	1	7	7	8	0	0	0	0	0	0	0	0	0	1
16	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1
17	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7
18	1	1	1	1	0	0	0	0	20	21	18	20	22	11	10	7	9	8	8	6	1	1	1	1	1
19	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
20	1	1	1	1	0	0	0	0	0	0	28	16	35	13	1	1	2	2	2	2	1	1	1	1	5
21	0	0	0	0	0	0	0	19	6	4	4	4	13	12	2	2	2	2	3	2	2	0	1	0	3
22	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	1	39	12	1	0	0	0	0	0	0	0	0	6
24	0	0	0	1	2	2	1	8	5	12	3	2	0	2	2	26	34	16	3	2	1	1	1	1	6
25	2	2	2	1	2	4	1	1	2	9	11	21	12	54	26	18	24	8	3	2	1	1	1	1	3
26	1	1	1	2	2	1	2	1	2	1	1	1	1	5	1	18	8	2	1	2	2	2	2	2	4
27	2	1	1	1	1	1	1	1	1	1	1	1	1	9	38	2	1	11	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
30	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	-	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	2	2	3	3	5	6	4	3	4	3	3	1	1	1	1	1	2.1

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77028													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	3	2	2	2	3	4	4	6	-	8	***	1	1	3	4	4	4	3
2	3	3	3	3	2	2	1	2	2	2	14	24	5	0	0	0	3	0	38	0	0	0	0	0	5
3	0	0	0	1	17	7	16	2	1	7	19	9	11	2	10	6	1	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	3	20	12	2	0	0	1	0	0	0	0	0	0	0	0	5
5	0	0	0	0	0	0	0	0	1	***	38	22	10	13	3	1	2	3	1	1	0	0	0	0	2
6	0	0	0	0	0	0	0	0	1	3	1	3	20	12	0	0	2	1	1	1	0	0	0	0	2
7	0	0	0	0	0	0	0	0	0	2	15	3	0	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	6	4	13	3	2	5	0	0	0	1	2	0	0	0	0
10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
11	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	4	3	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	4	3	6	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	4	8	8	0	0	0	0	0	0	0	0	0	0	0
16	1	3	2	1	0	0	0	0	0	0	1	1	1	2	2	1	2	3	2	1	1	1	1	1	1
17	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	2	1	1	1	1	1	1	1	10	17	-	16	3	3	2	1	2	1	1	1	1
19	1	1	1	3	8	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
20	1	1	0	0	0	0	1	2	4	1	1	13	4	2	2	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1
22	2	2	3	2	2	2	1	2	2	1	3	1	3	2	1	1	1	1	1	1	1	2	2	2	2
23	2	2	4	3	3	3	5	5	2	3	8	6	2	1	1	1	1	1	1	1	1	1	1	1	3
24	1	1	2	2	2	2	4	2	2	6	37	29	22	1	1	1	1	2	3	1	1	3	2	1	7
25	1	4	12	2	2	2	5	25	27	14	2	3	9	5	8	11	8	10	20	6	1	0	0	0	5
26	1	1	1	0	0	0	1	23	23	30	16	5	8	1	0	0	1	1	1	1	1	1	1	1	3
27	0	***	0	6	0	0	13	34	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
28	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	4	17	12	1	1	1	1	1	1	1
29	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
30	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1
31	0	2	2	2	2	2	2	2	1	2	1	2	1	2	8	2	1	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	2	1	2	4	3	3	6	5	5	3	2	2	2	2	3	1	1	1	1	1	2.2

PERCENTAGE OF DATA VALID - 94.1

PERCENTAGE OF DATA INVALID - 5.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77028														MONTH - JUN 80											
GOVERNMENT/EDWARD ST														CONISTON											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	1	1	1	2	1	1	5	18	3	0	0	0	0	0	0	0	0	0	0	0	0	2
2	1	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	2	4	4	2	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	2	2	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1
6	2	2	1	1	3	1	0	0	1	3	7	4	3	2	1	1	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
8	1	1	0	1	2	0	0	0	0	0	0	0	0	0	4	1	7	0	0	0	0	0	0	0	1
9	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	1	1	0	0	0	0	2	0	4	3	0	0	1	2	2	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	1	0	0	1	1	0	0	0
14	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	4	4	2	0	0	0	0	0	0	3
15	0	0	2	3	3	2	7	9	6	7	10	3	2	2	5	0	0	0	0	0	0	0	0	0	3
16	0	0	0	0	0	12	20	27	3	7	1	1	1	0	0	1	1	1	0	1	1	1	1	1	1
17	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	3	4	3	2	2	0	0	1
18	1	1	0	0	0	0	0	0	0	6	4	0	0	0	0	0	0	0	0	0	0	1	3	2	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	2	4	7	5	12	8	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
23	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
24	1	1	1	1	1	1	2	4	4	4	12	7	13	12	4	2	2	2	2	2	2	2	2	2	2
25	2	2	1	1	1	1	2	2	2	4	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	1	1	2	3	2	1	1	1	3	49	38	40	30	17	2	1	1	1	1	1	1	1	1	1
27	4	34	1	2	4	0	6	4	14	4	9	7	4	6	3	3	3	3	3	1	0	0	0	0	5
28	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	0	0	0	0	0	0	1	3	4	4	2	1	1	1	1	1	1	2	2	1	0	0	0
MEAN	1	2	0	1	1	0	1	2	2	2	4	3	3	2	2	1	1	1	1	0	1	1	1	1	1.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77028														MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	2	0
2	8	5	2	5	1	1	4	20	11	16	16	6	2	0	1	4	10	5	4	0	0	0	0	0	5
3	0	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	0	0	0	0	0	2	2	5	2	0	7	9	8	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	0
7	1	1	1	1	1	1	2	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1
8	2	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	2	2	2	1
11	3	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	5	6	14	9	5	2	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2
15	3	2	2	2	2	2	2	1	1	1	2	2	2	2	10	5	2	2	3	2	2	1	1	1	1
16	1	0	0	0	2	2	1	3	1	0	0	0	2	1	1	1	1	1	1	1	0	0	0	0	1
17	1	1	1	1	1	0	1	1	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0
18	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	1	1	1	1	3	1	2
19	1	1	1	2	2	2	2	1	1	1	1	7	14	2	1	2	1	0	1	1	1	1	1	1	1
20	0	1	1	0	0	0	0	1	0	0	1	1	1	1	1	5	5	10	2	1	1	1	1	1	1
21	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	13	12	3	2	2	16	1	1	1	1	1	1	1	1	1	3
23	0	0	0	0	0	0	0	0	0	0	1	2	3	6	4	1	1	1	1	1	0	0	0	0	1
24	3	3	3	3	3	4	4	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	3	1	3	10	12	3	4	2
26	7	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
28	1	1	1	1	1	1	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	1	0	28	14	6	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	2	0	0	0	0	0	0	0	1
31	1	1	1	1	1	1	1	10	2	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	4
MEAN	1	1	1	1	1	1	1	2	1	2	3	2	2	1	2	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - NE NO 77028															GOVERNMENT/EDWARD ST CONISTON										MONTH - AUG 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	1	1	1	1	1	1	1	1	1	2	2	1	0	0	0	0	0	2	0	1	0	0	1	1	0									
2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	2									
3	0	0	0	0	0	0	0	0	0	0	0	5	21	5	3	1	0	2	0	0	0	0	0	0	0									
4	0	0	0	0	0	0	0	0	4	5	5	3	0	0	0	0	0	0	0	0	0	0	0	0	1									
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0									
6	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1									
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0									
8	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2	2	1	1	1	2	1	0	0	0									
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0									
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0									
12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0									
13	0	0	0	0	0	0	0	0	0	0	4	2	2	2	2	2	2	2	2	2	2	2	2	2	1									
14	2	2	3	3	3	3	2	2	2	1	1	13	1	1	15	19	6	1	0	0	0	0	0	0	3									
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0									
16	0	0	0	0	0	0	0	0	0	0	0	0	12	3	5	2	1	0	0	0	0	0	0	0	0									
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
18	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
19	1	1	1	2	1	2	0	0	0	0	1	1	0	2	23	9	1	1	1	1	1	1	1	1	2									
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1									
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
22	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0									
23	0	0	0	0	0	0	0	0	0	1	9	27	1	0	0	0	7	12	0	0	0	0	0	0	2									
24	0	0	0	0	0	0	0	0	0	0	1	6	0	0	1	2	3	0	0	0	0	0	0	0	1									
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	2	2	3									
26	2	2	2	2	2	2	2	2	2	1	2	3	12	3	6	7	3	2	2	2	2	2	2	2	3									
27	3	1	1	1	1	2	1	2	8	1	7	12	1	0	0	0	1	1	0	0	0	0	0	0	2									
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0									
30	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
31	1	1	1	1	1	1	1	2	1	1	1	3	1	0	1	1	1	1	1	1	1	1	1	1	1									
MEAN	0	0	0	1	1	1	0	0	1	1	1	3	2	1	2	2	1	1	1	1	0	0	0	1	0.9									

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON												MONTH - SEP 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	2	2	1	1	1	1	1	2	4	2	1	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	2	2	5	4	3	4	3	2	1	1	1	0	0	1	1
4	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	3	1
5	3	2	1	1	1	1	1	1	1	1	0	0	0	1	0	0	1	0	1	2	1	1	4	0	1
6	0	0	1	1	1	1	0	0	0	0	0	0	0	7	1	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	3	32	17	8	1	0	0	0	0	0	0	3
9	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	1	0	0	0	0	5	11	7	8	1	1	0	5	2	0	1	0	1	0	1	2
11	1	1	1	2	2	1	2	6	6	3	3	0	0	0	0	0	0	0	0	0	0	2	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	1	1	1	1	1	1	1	2	3	2	2	1	3	7	5	2	3	0	0	3	1	2	2
15	2	2	1	1	2	2	2	-	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
17	1	1	1	1	0	5	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2
19	0	2	2	3	1	0	1	1	0	1	1	6	9	1	1	1	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	2	2	2	2	2	2	2	3	2	12	2	2	2	2	2	1	4	3	1	2
21	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	6	7	1	3	1	1	1	1
22	1	1	1	1	1	1	5	6	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1
23	4	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1
26	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	2	6	3	1	1	0	0	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	23	14	12	17	10	1	0	1	4
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1
30	1	1	1	1	5	12	4	1	0	0	0	1	1	0	0	-	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON											MONTH - OCT 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	3	3	1	1	0	1
2	0	0	0	0	1	1	0	0	0	0	0	11	11	10	1	-	1	***	0	0	0	0	1	0	2
3	0	***	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0
4	1	0	0	3	3	1	1	1	1	3	2	5	18	7	6	1	0	1	1	0	0	1	5	0	3
5	2	1	0	0	0	0	0	0	0	0	2	2	4	27	31	19	13	12	2	4	5	4	2	1	5
6	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	-	1	1	1	1	3	1	
7	1	1	2	1	1	1	1	1	1	22	8	3	3	4	2	2	2	2	2	1	1	1	1	1	3
8	1	1	1	1	1	1	1	1	3	-	-	1	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	0	0	0	0	0	0	***	***	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	9	107	53	42	2	3	2	2	1	1	1	1	10
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	***	***	***	***	4	13	15	19	14	12	8	10	1	1	0	0	0	0	5
15	0	0	0	0	0	0	0	0	0	0	0	1	1	2	11	23	23	24	22	21	26	18	13	10	8
16	9	7	5	5	4	4	4	4	4	3	1	2	3	3	3	3	3	3	2	2	2	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
18	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	5	12	1	0	0	0	0	1	1	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	1	9	22	7	6	2	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
25	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	1	3	1	1	1	0	1	1	1	0	6	22	5	7	12	3	1	1	0	0	0	0	0	3
28	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	10	11	19	15	14	11	9	5	5
30	2	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1
31	1	1	1	1	1	2	3	3	5	8	4	3	5	1	0	0	0	0	2	0	1	0	0	2	2
MEAN	1	1	1	1	1	0	0	0	1	1	1	2	4	7	5	5	2	3	2	2	2	1	1	1	1.8

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77028

GOVERNMENT/EDWARD ST CONISTON

MONTH - NOV 80

1      2      3      4      5

7 8 9 10 11 12

16 17 18 1

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	20	37	16	42	10	0	0	0	0	0	0	0	0	6
3	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	1	1	1	1	1
4	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	1
6	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	2	1	1	7	9	0	0	0	16	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	32	27	2	1	1	1	2	6	4	2	3
9	0	0	1	1	1	0	1	1	1	1	1	1	2	3	0	0	5	4	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	0	1	1	1	0	0	0	0	0	0	1	6	11	8	7	4	1	1	0	1	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
14	0	0	...	0	1	1	1	0	1	1	0	...	1	1	1	1	1	0	0	1	0	0	0	0	0
15	1	1	...	1	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
16	1	1	0	0	1	0	1	0	1	1	1	14	11	5	5	5	3	3	2	1	1	1	1	1	3
17	1	1	1	1	1	1	1	1	1	0	-	1	1	1	1	1	1	1	0	0	0	1	1	1	1
18	0	1	3	10	3	12	12	3	1	5	2	14	21	1	1	1	1	1	1	1	1	1	1	1	4
19	1	1	1	1	1	3	4	4	3	2	1	3	2	4	2	1	1	1	1	1	1	1	1	1	1
20	1	0	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	20	1
22	60	16	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
23	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	0	0	0	0	0	0	0	0	0	0	1	2	5	6	5	1	0	0	1	0	0	0	1
27	-	0	0	0	2	1	1	1	1	1	...	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	2	2	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	0	0	1
30	0	1	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	1	1	1	1	1	1	1	1	1	1	2	3	2	4	2	2	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.      \*-\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77028

GOVERNMENT/EDWARD ST CONISTON

MONTH - DEC 80

1      2      3      4      5

7 8 9 10 11 12

16 17 18 19

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	2	1	0	0	1	1	0	0	0	0	1	2	0	0	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	1	2	8	8	1	0	0	0	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	0	1	3	4	4	5	7	6	5	4	3	-	1	0	2
5	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	-	-	6	5	4
10	4	4	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1
11	1	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	-	-	-	-	-	1
12	1	1	1	1	2	3	3	4	3	1	1	0	0	0	0	0	0	0	0	3	3	0	1	2	1
13	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0
14	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
15	0	0	0	0	1	1	2	2	3	2	2	3	3	2	2	1	1	1	0	0	0	0	1	2	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1
17	2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	2	1	1	1	2
18	2	6	1	1	1	1	0	1	1	1	1	3	10	1	1	1	1	2	3	2	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2
20	2	1	1	1	1	1	1	1	1	1	2	1	1	4	7	2	1	1	1	1	2	1	2	2	2
21	2	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2	2	1	2	2	2	2
22	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	1	2	3	1	1	1	0	0	1
23	1	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	2	3	0	4	2	1	2	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0
28	0	1	1	1	1	2	1	1	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1
29	0	0	0	0	0	0	0	2	1	4	10	8	0	18	12	6	2	0	0	0	1	1	13	11	4
30	8	4	3	4	2	1	0	0	0	0	1	2	2	4	2	0	0	0	0	0	1	1	0	0	0
31	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	-	-
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	6	43
FEB	29	1.8	11	85
MAR	29	1.3	10	43
APR	30	2.1	9	54
MAY	28	2.2	7	38
JUN	30	1.4	9	49
JUL	30	1.2	5	28
AUG	30	0.9	3	27
SEP	30	1.0	4	32
OCT	31	1.8	10	107
NOV	30	1.3	6	60
DEC	31	1.0	4	33
YEAR	359	1.4	11	107

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	701	21	5	2	3	2	2	0	736
FEB	651	8	3	5	5	7	2	1	682
MAR	660	29	2	3	2	2	2	0	700
APR	653	24	11	10	7	7	0	1	713
MAY	636	26	13	12	6	7	0	0	700
JUN	679	18	6	3	0	4	2	0	712
JUL	696	16	8	4	0	1	0	0	725
AUG	698	9	6	1	2	1	0	0	717
SEP	690	15	6	2	1	1	0	0	715
OCT	678	19	16	6	8	3	1	2	733
NOV	685	11	6	5	1	3	1	1	713
DEC	705	13	4	2	0	1	0	0	725
YEAR	8132	209	86	55	35	39	10	5	8571

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	0	0.0	0.0	0.0	0.7	2.3	5.2	12.3	20.5	107	1.4



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED												MONTH - JAN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	3	5	2	3	2	1	0	0	0	1
5	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1	1	4	2	2	2	1	1	2	2	1	2	2	2	1	1	1	0	0	2	1	0	1
20	0	0	0	0	0	0	0	0	0	2	4	4	1	2	1	1	0	0	0	0	0	0	0	3	1
21	1	0	0	0	0	0	0	0	0	0	1	1	3	2	0	0	3	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	2	1	2	1
24	0	0	1	3	2	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	0	0	5	0	2	0	3	1	4	4	2	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	1	1	3	2	1	0	0	1	0	1	2	4	4	3	1
28	3	2	2	0	0	0	0	0	0	0	20	20	28	1	1	1	5	32	32	40	19	5	2	1	9
29	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	0	0	0	0	1	1	2	1	0	0	0	1	1	2	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 88.3

PERCENTAGE OF DATA INVALID - 10.5

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	1	1	2	3	3	3	0	2	2	2	1	1	3	2	1	0	0	0	0	2	6	3	2
7	2	2	2	2	3	4	3	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	1	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	2	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
15	1	1	1	1	1	1	0	0	0	1	1	0	0	0	2	1	1	1	1	1	2	2	2	1	1
16	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	4	0	0
18	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	1	1	1	0
19	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
21	1	0	0	0	0	0	0	0	0	0	0	0	1	3	11	5	5	1	2	1	1	1	0	0	1
22	0	0	0	0	0	0	0	0	0	1	1	14	15	3	2	2	1	0	0	0	0	3	1	1	2
23	1	1	2	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	2	1	1	0	0	1	1
24	0	0	0	1	1	1	1	1	0	0	0	0	1	3	2	1	1	0	1	0	2	2	0	0	1
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
26	0	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	0.4

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77052		LOCKERBY SUDBURY AIRSHED												MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	4	3	1	1	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	1	1	0	1	2	4	9	3	1	1	1	1	5	15	8	3	2	3
9	2	2	2	2	2	1	1	1	1	1	5	7	1	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	4	11	0	0	0	1
11	0	1	1	2	1	6	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1
12	0	0	1	0	1	0	0	0	0	0	0	0	0	5	5	4	2	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	0	0	0	0	0	1	2	1	2	2	2	2	0	0	1	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	2	1	1	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	1	1	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	2	2	2	1	1	2	6	0	1	0	0	1	3	1	0	0	0	0	0	1	3	3	1
31	9	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0	0	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 96.5 PERCENTAGE OF DATA INVALID - 3.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77052		LOCKERBY SUDBURY AIRSHED												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	6	11	13	6	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
6	0	1	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	14	0	0	0	0	2	2	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	4	4	3	4	4	1	0	0	0	0	0	2	7	4	4	1	2	4	0	0	0	2	0	0	0
29	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	1	1	1	1	1	1	0	1	1	0.5

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED												MONTH - MAY 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 YEAR	
1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	4	3	2	2	1	4	2	2	2	3	1
2	3	5	5	3	2	1	1	****	3	3	8	3	1	1	1	0	0	0	0	0	0	0	2	0	2
3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	2	3	0	1	1	1	1	0	0	0	7	2	2	2	8	0	2	1	0	0	
5	0	0	0	0	0	0	0	****	0	0	7	8	6	7	1	2	0	2	0	0	0	0	0	1	
6	0	0	0	0	0	0	0	****	0	1	9	3	1	0	0	0	0	0	0	0	0	0	0	0	
7	****	****	****	****	****	****	****	****	0	2	1	1	1	****	0	1	2	4	5	1	0	3	8	4	
8	6	3	0	1	3	4	4	****	4	2	1	0	0	6	0	2	1	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	1	2	1	1	2	0	0	1	2	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	2	0	4	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	2	0	0	0	0	1	1	
13	0	0	0	0	0	0	0	****	0	1	2	2	***	0	2	11	2	0	0	1	1	0	0	0	
14	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	9	10	4	10	14	11	0	1	3	
15	0	0	0	0	0	0	0	****	1	2	16	15	4	0	23	3	2	3	0	0	0	0	0	0	
16	1	1	1	1	0	1	1	****	3	1	1	10	15	9	18	29	17	2	1	1	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	1	1	1	1	1	1	1	****	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
22												- DATA UNAVAILABLE -													
23												- DATA UNAVAILABLE -													
24												- DATA UNAVAILABLE -													
25												- DATA UNAVAILABLE -													
26												- DATA UNAVAILABLE -													
27												- DATA UNAVAILABLE -													
28												- DATA UNAVAILABLE -													
29												- DATA UNAVAILABLE -													
30												- DATA UNAVAILABLE -													
31												- DATA UNAVAILABLE -													
MEAN	1	1	0	0	0	1	0	0	1	1	2	2	2	1	3	4	3	1	2	1	1	0	1	0	
																								1.2	

PERCENTAGE OF DATA VALID - 61.7

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 34.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	0.6	9	40
FEB	29	0.4	2	15
MAR	31	0.5	3	18
APR	30	0.5	5	32
MAY	18	1.2	5	29
YEAR	134	0.6	9	40



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	650	0	0	3	0	3	1	0	0	0	657
FEB	673	1	3	0	0	0	0	0	0	0	677
MAR	707	6	4	1	0	0	0	0	0	0	718
APR	689	12	6	0	0	1	0	0	0	0	708
MAY	433	16	5	3	1	1	0	0	0	0	459
YEAR	3152	35	18	7	1	5	1	0	0	0	3219

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.2	0	0.0	0.0	0.0	0.0	1.0	2.4	5.2	10.0	40	0.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	3	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	1	0	0	0	0	0	1	2	3	6	12	13	7	3	4	3	3	2	2	1	3
5	1	1	0	1	1	1	1	1	1	1	1	1	4	4	3	5	8	3	4	7	6	4	2	2	3
6	2	5	9	8	6	5	5	4	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	3
7	1	1	1	1	1	2	2	2	2	2	2	2	1	0	0	0	2	4	2	1	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	1	2	3	9	7	9	7	3	1	1	1	1	1	2
9	0	1	1	1	2	1	2	3	2	3	1	1	5	4	3	1	1	1	1	1	1	1	1	1	2
10	1	1	2	1	1	1	2	1	2	2	1	1	1	1	0	1	1	1	2	2	2	2	1	1	1
11	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0	0	3	14	13	17	8	8	6	1	3
12	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1
14	1	1	1	1	1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	2	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	3	2	2	2	1	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	3	1	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	18	21	9	8	6	3	4	5	3	4	4	4	4	4
28	4	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	3	8	1	1	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 93.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	2	2	4	4	4	2	1	0	0	0	0	0	0	0	0	0	0	0	2	3	3	1
7	2	3	2	2	3	2	2	0	0	7	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	1	2	3	2	2	***	7	6	8	5	3	3	4	4	4	4	3	3	3	2	3
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	2	9	2	2	6	8	9	4	0	3	2	3	0	0	0	0
18	0	0	3	3	1	4	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	1	1	1	5	8	2	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0	0	0	0	5	9	***
22	7	15	15	10	3	5	6	8	17	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	***	5	10	9	6	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	0.6

PERCENTAGE OF DATA VALID - 95.3 PERCENTAGE OF DATA INVALID - 4.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - MAR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	2	0	0	0
2	0	0	0	0	0	0	0	0	1	****	1	6	8	18	15	9	5	0	0	2	3	2	1	0	3
3	1	7	4	2	0	0	0	0	0	****	1	11	4	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	2	1	****	0	0	0	2	10	15	3	6	1	0	0	0	0	2	
5	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	1	0	0	0	****	8	0	0	0	0	0	0	0	0	1	1	0	0	0	
7	0	0	2	0	1	3	0	1	0	****	0	1	5	7	0	0	5	0	0	0	0	4	2	0	1
8	0	0	0	0	0	0	0	0	0	****	7	31	17	8	3	0	0	0	0	0	2	10	11	14	0
9	12	6	3	3	3	1	0	0	0	****	0	2	6	3	0	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	2	0	****	0	0	0	0	0	0	0	6	0	0	0	1	1	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	14	28	16	2	0	0	0	0	0	0	0	3
24	0	0	0	0	0	0	0	0	0	****	2	0	0	0	2	1	1	1	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	****	0	0	0	2	22	17	3	1	0	0	0	0	0	0	2
29	0	0	0	0	0	1	2	0	0	****	0	0	0	0	0	0	1	1	2	2	2	2	0	0	1
30	0	0	0	0	0	0	0	0	0	****	3	16	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	1	1	0	1	3	6	4	6	****	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	1	0	0	0	0	0	0	0	0	1	2	1	2	3	2	1	1	0	0	0	1	1	0	0.7

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77065		FALCONBRIDGE RD GARSON, SUDBURY DISTRICT												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	6	7	1	2	8	12	40	21	5	0	0	0	0	0	0	4
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	2	8	8	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	1	2	1	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	9	18	15	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	17	27	17	11	3	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
28	0	0	0	0	0	0	3	2	0	7	0	0	0	0	0	1	3	0	0	0	0	0	1	23	4
29	0	0	4	20	10	3	0	0	0	0	0	0	2	26	33	9	1	0	0	0	0	0	1	2	0
30	0	0	0	0	0	1	0	0	0	8	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	1	2	1	1	0	0	1	5	0	1	1	2	2	3	3	2	1	1	0	0	1	1	1.1

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 77065										FALCONBRIDGE RD GARSON, SUDBURY DISTRICT					MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	15	0	0	87	24	39	9	2	9	2	6	2	1	1	1	2	4	9
2	2	1	1	1	0	0	0	0	0	1	0	0	1	1	2	2	2	2	2	2	1	1	1	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	8	8	11	4	1	1	1	1	1	1	5	1	0	0	
5	0	0	4	0	3	28	11	0	9	0	5	2	1	1	5	0	1	0	0	0	0	0	0	0	
6	1	1	1	0	1	1	1	1	1	1	0	0	1	1	4	1	2	1	2	2	1	1	1	1	
7	0	0	0	0	3	17	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	1	0	2	6	2	9	0	6	4	5	4	1	8	0	0	5	3	1	1	1	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	8	18	4	2	5	21	12	13	1	1	1	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	1	7	2	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	1	1	1	1	1	1	2	0	1	2	0	1	1	1	1	1	1	1	1	2	2	0	
21	0	0	0	0	1	0	0	2	2	0	10	8	16	31	5	4	5	5	3	2	1	1	1	1	
22	0	0	0	0	0	0	5	20	5	0	3	5	8	3	13	6	7	3	4	5	3	1	1	1	
23	0	0	0	0	1	1	0	0	0	0	0	0	3	5	5	16	24	9	2	1	0	0	0		
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
29	0	0	0	1	1	6	24	26	48	0	7	0	1	0	0	0	0	0	3	2	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1		
31	1	1	1	1	1	1	1	1	1	0	0	0	5	1	0	0	0	0	0	0	0	0	0		
MEAN	0	0	0	0	0	2	2	2	3	0	4	3	4	2	2	2	2	1	2	1	1	1	1		

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 5.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	21	5	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	5	2	5	1	1	1	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	1	0	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0
6	0	1	0	4	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	0	0	0
7	0	1	0	4	0	0	0	0	0	0	1	4	4	2	1	0	0	0	3	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	7	15	17	12	0	0	0	0	0	0	0	7
12	0	0	0	0	0	0	1	1	1	0	0	8	1	1	1	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	10	5	0	0	8	44	7	3
15	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	5	0
17	4	0	0	2	1	3	3	4	3	0	2	1	0	0	1	2	1	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	3	4	6	5	4	0	0	0	2	3	8	19	6	27	8	0	0	0	0	0	0	0	4
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	10	14	14	0	1	2	1	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	3	0	0	1	0	4	5	4	6	4	9	3	1	1	1	1	2
24	0	0	0	1	2	0	0	0	0	0	0	0	0	0	4	10	16	7	2	0	0	0	3	1	2
25	0	3	2	1	0	1	4	5	0	8	10	2	1	1	2	7	0	0	0	0	2	4	2	1	2
26	1	1	2	1	0	0	1	3	0	1	3	2	2	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	1	3	1
28	11	0	6	18	6	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	21	2	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	2	0	4	3	1	1	1	1	1	2	1	1	1	1	1	1	1
MEAN	1	0	0	1	1	0	0	0	1	0	1	1	1	2	1	3	2	2	1	0	0	1	2	1	1.0

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - JUL 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	2	6	4	2	2	3	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	2	1	1	
3	1	2	1	0	0	0	0	0	0	2	22	23	17	18	12	14	31	4	0	4	3	3	2	0	
4	0	0	0	0	0	0	0	0	20	****	7	0	0	0	0	9	4	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	1	4	2	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	1	1	1	2	3	****	30	3	23	19	9	4	8	3	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	5	8	28	16	4	1	1	1	
14	1	1	0	0	0	1	3	9	1	****	3	1	1	2	0	0	0	0	0	2	3	3	2	2	
15	2	2	2	1	0	0	0	0	0	0	0	2	16	1	1	1	3	3	1	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	3	6	10	3	2	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	2	6	7	7	2	5	15	2	0	0	0	0	0	0	
20	0	0	0	0	0	2	0	0	0	0	0	0	0	2	10	3	4	7	10	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	11	8	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	1	3	28	29	18	15	7	5	18	34	2	0	0	0	0	
25	0	0	0	0	0	0	1	2	3	****	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	1	****	2	18	59	32	26	29	15	1	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	24	24	4	1	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	1	1	1	1	1	1	0	****	0	0	2	4	1	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	5	2	3	1	0	2	4	5	
31	0	0	0	0	0	0	0	0	0	****	0	1	0	0	0	0	0	1	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	1	1	0	4	4	5	3	3	2	3	2	3	1	0	0	0	0	1.5



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT																MONTH - AUG 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	----	19	20	18	9	12	12	20	3	0	0	0	0	0	0	5
2	0	0	0	0	0	1	12	5	6	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	----	6	10	16	2	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	----	14	8	9	7	8	8	10	4	7	9	3	0	0	0	4
6	0	0	0	0	0	0	0	0	0	----	2	2	3	0	2	10	1	1	2	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	----	0	0	0	4	4	1	1	2	1	2	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	16	9	0	0	3	4	2	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	10	1	
12	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	7	15	7	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	0	0	2	41	24	21	15	2	0	0	0	0	0	4
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	3	2	1	1	1	1	1
24	2	0	0	0	0	0	0	0	0	0	1	7	0	19	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	2	6	4	4	2	0	0	0	0	0	0	0	0	3
26	0	0	2	1	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	2	0	0	0	0	0	0	0	1	9	10	13	12	5	2	2	0	0	0	0	0	0	2
MEAN	0	0	0	0	0	0	0	0	0	0	3	3	2	2	3	2	2	1	1	1	0	0	0	0	1.0

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	----	4	1	1	0	0	1	1	0	0	0	0	0	0	0	0
2	1	0	0	2	0	0	0	0	0	----	6	2	1	0	0	0	0	0	0	0	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	13	----	14	5	2	10	21	7	3	2	0	1	1	1	2	0
4	0	0	0	0	0	0	0	0	0	0	----	0	1	0	0	0	0	0	0	0	0	0	0	0	3
5	0	0	0	0	2	1	2	2	3	----	29	27	2	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	28	14	11	1	0	0	0	0	0	3
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	2	39	17	14	0	3
14	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	2	2	0	0	0	2	12	36	19	9	1	0	0	0	0	0	0	0	0	4
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	2	0	0	0	10	2	7	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	8	4	2	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	5	7	10	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	----	----	1	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	16	22	1	23	13	9	2	0	0	0	0	4
MEAN	0	0	0	0	0	0	1	0	1	0	2	2	2	2	3	2	1	1	1	2	1	1	0	0	0.9

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3



POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT										MONTH - OCT 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	3	2	0	0	0	0	0	0	****	0	0	0	0	5	0	1	1	0	0	0	0	1	0	
2	0	0	1	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0
4	0	0	1	2	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
7	0	0	0	0	0	0	0	0	0	****	6	4	6	3	5	8	1	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	****	6	3	6	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	****	0	0	3	5	1	6	0	7	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	****	0	0	0	9	15	16	12	10	9	10	16	19	16	13	6
16	9	7	4	4	3	2	2	2	1	****	0	0	3	3	2	1	1	0	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	6	2	4	2	1	1	2	****	4	0	0	1	3	2	2	4	1	3	2	0	0	0	2
19	0	0	0	0	0	0	0	0	0	****	0	0	0	0	5	14	7	3	2	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	****	1	1	0	0	0	0	3	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	2	9	5	0	0	0	1
30	0	0	0	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1	1	1	1	3	0
31	0	0	0	1	3	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	****	0	0	1	3	0	6	8	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	3	5	3	1	0	0	0	0	****	0	2	2	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	****	0	0	0	0	4	22	16	0	0	0	0	3	4	1	2
9	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	3	7	6	2	0	1	5	4	1
13	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	2	6	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	****	0	0	3	22	8	8	4	3	2	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	0	****	0	0	0	2	3	2	2	5	9	12	9	6	3	2	2
20	0	0	0	0	0	2	4	4	9	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	25	2	1	0	0	0	0	****	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	1	3	4	1	1	1	0	0	0	0
27	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	16	5	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
29	0	1	1	1	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	1	3	3	3	1
30	1	0	0	0	0	0	0	0	2	****	3	3	5	2	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	0	0	0	0	0	0	****	0	0	0	2	1	3	0	0	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	****	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	2	1	3	7	3	12	9	3	****	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	****	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	****	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	****	0	0	0	****	1	0	0	0	0	3	5	5	5	5	1
10	5	7	6	4	2	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	2	2	2	3	4	1
12	3	3	3	3	3	3	4	3	3	****	0	0	0	0	0	0	0	0	0	3	2	3	1	0	2
13	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	7	12	6	****	5	3	3	1	1	1	1	0	0	0	0	0	0	2
16	0	0	0	0	0	0	0	0	0	****	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	****	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	0	0	0	0	0	0	0	0	****	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
20	1	1	1	1	1	1	1	1	1	****	0	0	0	0	2	2	1	0	0	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	****	1	1	1	1	1	1	2	3	2	2	2	2	1	2	1
22	1	1	1	2	11	2	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	****	0	0	0	2	2	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	3	0	****	0	0	2	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	****	2	5	0	0	0	0	2	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	3	2	3	2	2	1	1	1	1	1
29	0	0	0	0	1	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	****	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0
31	4	8	10	15	15	10	2	2	4	****	10	9	5	8	1	1	1	1	1	1	1	1	1	1	5
MEAN	1	1	1	1	1	1	1	1	1	****	1	1	1	1	0	1	1	0	0	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 4.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

## POLLUTANT - SULPHUR DIOXIDE

## UNITS - 0.01 PARTS/MILLION

## STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.9	4	21
FEB	27	0.6	4	17
MAR	30	0.7	4	31
APR	28	1.1	5	40
MAY	31	1.6	9	87
JUN	30	1.0	4	44
JUL	31	1.5	6	59
AUG	31	1.0	5	41
SEP	30	0.9	4	39
OCT	31	0.6	6	19
NOV	30	0.5	2	25
DEC	31	0.8	5	24
YEAR	361	0.9	9	87



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77065 FALCONBRIDGE RD GARSON, SUDBURY DISTRICT

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 40	41 TO 50	50 OVER	TOTAL
JAN	714	20	4	2	1	0	0	0	0	741
FEB	636	24	2	1	0	0	0	0	0	663
MAR	680	17	7	5	1	2	0	0	0	712
APR	627	17	7	7	4	4	1	0	0	667
MAY	660	22	8	6	5	4	1	1	1	707
JUN	666	21	6	4	2	1	1	0	0	701
JUL	683	17	6	9	4	10	0	1	1	730
AUG	682	30	9	7	2	0	1	0	0	731
SEP	657	12	8	3	4	5	0	0	0	687
OCT	682	21	5	4	0	0	0	0	0	712
NOV	684	11	1	2	3	0	0	0	0	701
DEC	688	16	4	1	1	0	0	0	0	710
YEAR	8059	228	67	51	27	26	4	2	2	8464

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.4	0	0.0	0.0	0.0	0.0	1.8	4.8	10.6	16.7	87	0.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17												- DATA UNAVAILABLE -													
18												- DATA UNAVAILABLE -													
19												- DATA UNAVAILABLE -													
20												- DATA UNAVAILABLE -													
21	-	-	-	-	-	-	-	-	-	-	-	0	1	3	2	3	3	3	5	4	6	1	0	0	*****
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	12	6	4	2	1	2
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0.3

PERCENTAGE OF DATA VALID - 33.2

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 66.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77066

TEMAGAMI SUDBURY AIRSHED

MONTH - JUL 60

[illegible]

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77066

TEMAGAMI SUDBURY AIRSHED

MONTH - SEP 80

[illegible]

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID = 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*.\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED													MONTH - OCT 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2	1	2	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	0	1
4	0	0	0	0	3	3	3	2	***	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	***	1	2	2	2	1	1	1	1	1	1	1	1	0	0	1	1
6	2	1	2	2	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	1	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	1	1	1	1	1	0	***	0	0	0	0	0	0	0	2	1	1	1	1	1	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	1	0	0	0	1	***	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	6	4	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	***	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
24	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
25	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	6	2	1	0	0	0	2	1	0	***	0	0	0	0	0	0	0	0	0	0	2	2	0	0	1
31	0	4	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 95.3

PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	16	10	3	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0
4	1	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	3	3	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	6	7	1	0
13	7	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	16	13	8	2	2	1	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	6	11	3	1	1	2	2	***	5	2	1	0	0	1	1	2	5	4	3	1	0	0	0	2
20	2	2	1	2	0	0	1	9	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	6	18	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	2	2	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	3	3	1	3	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED												MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0
2	0	0	0	1	2	2	1	2	3	3	3	****	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	4	5	****	3	3	3	2	2	1	1	0	0	0	0	1
5	0	2	4	5	4	4	3	2	2	2	1	****	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	****	3	2	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	0
10	6	7	7	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	2	3	4	3	2	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	3	2	2	1
14	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	0	1	1	1	1	0	0	1	3	4	1	0	0	1	1	1
17	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	6	5	3	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1
22	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	1	1	1	1	1	1	1	1	2	2	2	****	2	2	2	2	3	2	2	2	1	1	1	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	3	4	3	2	1	1	0	0	0	0	0	0	1
28	0	0	0	0	1	1	1	1	1	1	2	****	0	3	6	9	9	8	7	4	3	1	1	3
29	2	2	2	5	6	0	0	0	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	7	10	8	5	3	2	****	2	2	2	2	2	2	2	2	1	1	2	2
31	3	4	4	4	4	3	3	3	3	3	3	****	1	1	1	0	0	0	0	0	0	0	0	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0.7

PERCENTAGE OF DATA VALID - 99.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY	10	0.3	2	12
JUN	30	0.3	1	8
JUL	31	0.4	2	11
AUG	31	0.4	2	10
SEP	30	0.2	1	6
OCT	30	0.3	1	9
NOV	30	0.4	2	18
DEC	31	0.7	3	10
YEAR	223	0.4	3	18



MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS MILLION

STATION - NE NO 77066

TEMAGAMI SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	30 TO 49	50 OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	243	3	1	0	0	0	0	0	247
JUN	706	2	0	0	0	0	0	0	708
JUL	708	2	1	0	0	0	0	0	711
AUG	728	9	0	0	0	0	0	0	737
SEP	716	1	0	0	0	0	0	0	717
OCT	704	5	0	0	0	0	0	0	709
NOV	698	10	4	3	0	0	0	0	715
DEC	720	15	0	0	0	0	0	0	735
YEAR	5223	47	6	3	0	0	0	0	5279

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.8	0	0.0	0.0	0.0	0.0	0.7	1.8	3.5	5.2	18	0.4

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77067

CHINIGUCHI SUDBURY AIRSHED

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA UNAVAILABLE -																								
2	- DATA UNAVAILABLE -																								
3	- DATA UNAVAILABLE -																								
4	- DATA UNAVAILABLE -																								
5	- DATA UNAVAILABLE -																								
6	- DATA UNAVAILABLE -																								
7	- DATA UNAVAILABLE -																								
8	- DATA UNAVAILABLE -																								
9	- DATA UNAVAILABLE -																								
10	- DATA UNAVAILABLE -																								
11	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	2	2	3	3	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 57.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 35.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77067		CHINIGUCHI SUDBURY AIRSHED												MONTH - JUL 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 88.0

PERCENTAGE OF DATA INVALID - 12.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77067		CHINIGUCHI SUDBURY AIRSHED												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTR



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
	STATION - NE NO 77067					CHINIGUCHI SUDBURY AIRSHED								MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	3	7	20	8	2	1	0	0	1	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0	0	1	2	0	0	0
4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	3	3	2	1	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	
15	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	4	8	9	8	5	5	2	3	3	3	4	2	0	0	0	0	0	1	3	1	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	2	2	3	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	- DATA INVALID -																								
22	0	0	0	0	0	0	0	0	0	0	6	5	2	1	1	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	4	4	0	0	0	0	
25	0	2	4	6	9	6	1	1	0	2	6	3	1	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	1	4	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	2	3	5	7	10	9	5	6	4	2	1	1	1	1	
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	1	1	1	1	0	0	1	1	2	1	1	1	0	0	1	1	1	1	1	0	0	0	1	0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION													
	STATION - NE NO 77067					CHINIGUCHI SUDBURY AIRSHED						MONTH - OCT 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	2	3	2	10	2	1	2	3	1	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	***	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0
4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	- DATA INVALID -																								
7	- DATA INVALID -																								
8	- DATA INVALID -																								
9	***	***	***	***	***	***	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***
10	0	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	2	6	3	0	1
11	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	U	0	U	U	U	U	U	U	U	U	U	U	U
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	4	1	3	1
18	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
26	- DATA UNAVAILABLE -																								
27	- DATA UNAVAILABLE -																								
28	- DATA UNAVAILABLE -																								
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
31	- DATA UNAVAILABLE -																								
MEAN	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.2

PERCENTAGE OF DATA UNAVAILABLE - 30.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*-\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77067 CHINIGUCHI SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	16	0.3	2	14
JUL	28	0.2	2	12
AUG	29	0.3	3	8
SEP	27	0.6	3	20
OCT	16	0.2	1	10
YEAR	116	0.4	3	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77067 CHINIGUCHI SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	DATA UNAVAILABLE								
JUN	412	2	1	0	0	0	0	0	415
JUL	649	5	1	0	0	0	0	0	655
AUG	678	11	0	0	0	0	0	0	689
SEP	627	24	0	1	0	0	0	0	652
OCT	414	2	0	0	0	0	0	0	416
YEAR	2780	44	2	1	0	0	0	0	2827

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
77.0	0	0.0	0.0	0.0	0.0	0.6	1.8	4.4	5.7	20	0.4



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY												MONTH - JAN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	5	2	1	1	1	1	1	1	1	1	0	1	1	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0
3	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1
4	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	5	6	10	7	3	2	2	2	2	2
5	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	4	6	5	2	6	7	5	4	3	3
6	3	3	4	6	7	6	5	4	4	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	2	2	2	2	3	4	2	1	1	1	1	1	3	3	3	1	1	1	1	1	2
8	1	1	1	1	1	0	1	0	0	0	0	0	1	2	6	5	4	4	2	3	1	1	1	1	2
9	1	1	1	1	1	3	2	6	3	5	1	4	7	6	3	1	1	0	0	0	0	0	0	0	2
10	1	3	2	1	1	2	1	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1
11	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	5	11	16	8	8	5	8	1	3
12	1	2	3	1	1	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1	1	2	1	5	2
13	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	2	2	2	3	1	1	1	1	1	0	0	0	1	0	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	1	1	1	1	1	2	3	2	1	1	1	1	1	2	2	1	1
16	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	1	1	1	1	0
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	1	0	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	3	2	1	1	1	1	1
22	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	3	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	2	1	2	1	1	1	0	1	1	5	2	1	1	1	0	0	0	0	1	1
26	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2	0	0	1	1	1	1
27	1	1	0	1	0	1	1	1	1	1	0	0	2	6	7	3	2	3	4	6	5	4	4	4	2
28	4	4	2	1	1	2	1	0	0	0	0	1	1	1	1	1	1	12	9	6	1	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1
5	0	0	1	1	1	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	1
6	0	1	1	1	3	4	5	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	3	4	2
7	3	3	3	4	4	4	3	2	2	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	2	1	1	1	2	2	2	4	5	15	10	4	6	6	5	4	4	4	3	3	2	4
11	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	0	2	1	1	2
12	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
13	6	7	2	2	1	2	1	1	1	1	1	4	4	5	4	1	1	1	1	1	2	1	5	3	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
15	0	1	0	0	0	0	1	0	0	0	1	1	2	4	1	1	1	1	1	1	1	1	1	1	1
16	4	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	1	1	1
17	1	1	0	1	1	1	1	1	6	8	5	8	5	6	10	2	2	4	2	6	1	1	1	1	3
18	1	1	4	3	1	5	5	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2
19	2	1	2	1	1	2	3	3	1	2	1	2	4	6	2	1	1	1	1	1	1	1	1	1	1
20	1	1	2	1	2	2	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	2	2	2	2	6	5	1
22	4	2	3	1	1	1	2	6	7	12	14	9	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	2	3	2	1	0	1	1	1	2	6	1	2	1	1	1	1	2	2	1	1	1	1	1	2
24	1	1	1	1	2	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	
25	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	1	1	1	1	1	0	0	8	3	2	3	1	1	1	0	0	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY																MONTH - MAR 80									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	9	7	2	2
2	2	1	2	1	1	1	2	2	6	2	2	6	6	5	5	4	3	2	2	2	3	4	1	1	3
3	4	12	6	3	1	1	1	1	1	1	3	2	3	2	0	0	0	0	0	0	0	0	0	0	2
4	1	1	1	1	1	1	1	3	2	3	1	0	2	7	7	2	2	2	0	0	1	0	0	0	2
5	1	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	1	0	0	1	2	7	2	0	0	0	0	0	0	0	1	0	0	0	1
7	0	1	2	0	4	3	0	1	3	1	0	5	6	0	0	1	1	0	0	0	2	4	2	1	2
8	1	0	0	0	0	0	0	0	0	0	6	11	41	9	3	0	0	0	1	5	7	4	5	6	4
9	6	5	3	2	2	2	0	0	0	0	0	12	6	1	4	1	1	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	2	0	0	0	0	2	1	1	1	2	2	1	1	1	7	9	8	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	30	28	11	11	13	10	6	6
13	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	2	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
16	0	1	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	1	1	1	1	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1	1	0
19	1	0	0	0	0	0	0	0	0	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1
21	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	2	3	4	3	0	0	3	1	2	2
24	3	1	0	1	1	2	2	1	1	1	2	3	2	2	3	3	2	2	3	2	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	0	0	1	1	2	2	1	1	2	1	1	1	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	0	0
27	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	5	5	3	1	1	0	1	1	0	1
28	1	1	0	0	0	1	1	2	1	0	0	0	1	1	1	1	2	1	2	2	2	2	1	0	1
29	0	0	1	1	0	0	0	0	1	10	23	4	18	6	4	0	0	0	0	0	0	0	0	0	3
30	0	0	0	1	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	1	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	2	2	1	1	2	2	1	1.4

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY															MONTH - APR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	1	0	-	1	2	3	5	9	11	6	1	1	0	1	1	1	1	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	1	1	-	3	10	8	7	3	1	0	0	1	1	1	2
4	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	2	1	2	4	1	1	1	2	2	3	2	8	13	2
9	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
11	1	1	0	1	1	1	1	1	1	2	0	1	1	2	1	3	2	2	1	2	1	0	0	0	1
12	0	1	1	1	1	0	1	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
13	1	0	0	1	1	0	1	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0
14	0	0	0	4	1	0	0	1	1	1	1	1	5	3	1	1	1	1	1	2	0	0	0	0	0
15	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	1	1	1	2	1	0	0	0	0	0	0	1	0	0	7	6	2	0	1	2	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	5	1	0	0	0	1	1
19	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	2	1	1	1	-	0	0	1
22	0	1	1	0	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	0	-	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	6	5	4	2	2	2	2	2	2	1	2	2	2
24	2	1	1	2	1	2	2	0	4	9	5	14	6	9	17	33	23	7	2	2	2	3	5	5	7
25	1	3	2	2	2	2	2	2	2	2	2	1	0	0	1	1	1	1	0	0	0	0	0	0	1
26	0	1	1	1	1	1	1	1	2	11	7	14	2	2	3	1	1	1	1	1	1	0	1	1	2
27	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
28	2	2	2	0	1	4	7	2	14	5	17	3	1	1	5	3	2	1	1	1	1	5	7	3	4
29	1	1	1	1	2	2	1	2	0	0	0	7	20	12	1	1	1	1	1	0	0	0	0	0	2
30	0	1	1	1	1	1	1	1	12	6	3	9	1	8	1	1	1	1	1	-	1	2	3	2	3
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	1	2	3	2	2	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	8	1	1	6	31	8	6	1	1	2	***	5	2	2	3	4	3	4
2	3	3	2	2	1	1	1	0	1	4	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1
3	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	8	10	5	5	2	1	0	0	0	0	0	2	0	1	0	1
5	0	0	0	0	0	0	0	2	0	0	10	4	3	2	5	4	5	1	1	1	1	1	1	1	2
6	1	1	1	1	1	1	0	0	1	0	0	0	0	5	14	3	2	1	1	1	0	0	0	0	1
7	0	1	0	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	1	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	4	2	1
10	1	2	2	1	1	2	9	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	1	1	2	1	2	2	2	8	20	4	2	6	5	0	7	2	2	4	3	2	2	0	1	4
13	1	1	0	0	0	0	0	0	0	1	5	12	1	1	1	0	0	0	2	9	1	0	0	0	1
14	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	20	11	2	-	2
15	1	1	1	1	1	1	0	0	0	1	0	0	3	1	1	1	1	1	1	2	3	7	3	1	1
16	1	1	1	2	1	1	0	1	1	1	1	1	1	2	1	1	1	1	4	1	2	1	1	1	1
17	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	2	1	2	1	1	2	2	2	3	2	2	-	2	1	2	2	2	1	1	1	2	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1
20	0	0	0	0	0	0	1	2	3	2	3	18	5	2	2	2	1	1	1	1	2	2	4	1	2
21	1	1	1	3	2	2	2	3	3	5	10	7	21	13	3	2	4	8	6	3	2	1	1	1	4
22	2	1	1	2	1	6	29	17	8	5	8	11	13	7	13	6	7	3	4	4	5	2	2	2	7
23	2	3	3	6	5	4	2	4	2	2	2	2	13	14	23	35	13	5	4	3	3	2	1	1	6
24	2	4	1	1	2	2	2	1	1	1	1	2	1	1	2	2	1	2	5	1	1	1	1	1	2
25	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
27	1	***	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	1	3	2	2	2	1	3	2	14	1	1	1	2	1	2	2	4	8	2	1	1	0	2
29	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
31	2	2	2	1	2	2	1	1	2	1	1	1	3	8	1	2	1	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	2	2	2	3	3	4	3	3	3	3	2	2	2	2	2	2	1	1	1.9

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY												MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	3	8	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	0	1	1	0	1	1	1	1	1	2	9	8	4	6	2	3	2	2	2	2
3	2	1	2	2	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	1	1	1	1	1	2	2	1	2	2	2	1	2	2	2	1	1	1	1	2
5	1	1	1	1	0	1	1	1	1	1	3	5	3	2	2	2	1	1	1	1	1	1	1	1	1
6	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
7	1	1	1	1	1	1	1	2	5	6	9	6	3	2	2	2	1	1	1	2	1	1	1	1	2
8	1	1	1	0	1	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	2	0
9	0	0	1	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	0	0	1	0	1
11	1	1	3	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
12	0	0	0	0	0	0	2	1	2	9	6	1	3	1	1	1	1	1	1	1	1	1	1	1	1
13	1	2	2	2	2	2	2	1	2	1	2	2	2	2	1	4	3	2	2	2	2	1	2	2	2
14	1	1	2	2	2	2	2	2	***	***	1	1	2	1	1	1	1	3	3	2	1	17	2	8	3
15	1	0	1	3	2	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	1
17	3	0	3	2	3	4	1	4	3	1	2	0	0	0	1	3	1	1	1	1	1	1	1	1	2
18	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	0	0	1	1	2	1	1	1	1	1	0	5	22	8	16	18	4	2	2	2	1	1	1	4
20	1	1	1	1	1	2	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
21	0	0	0	0	0	0	0	0	1	1	4	2	3	4	22	15	22	14	6	3	2	3	2	2	4
22	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2
23	2	2	1	1	1	1	1	2	4	2	1	2	2	14	15	11	3	5	7	3	3	3	4	4	4
24	3	4	3	2	2	3	2	3	3	3	4	3	2	4	18	31	11	4	3	3	3	3	5	3	5
25	5	8	7	7	4	3	5	8	19	7	4	5	3	2	2	2	10	2	2	***	3	4	2	3	5
26	3	6	5	2	3	3	2	3	5	2	3	3	6	2	2	2	2	2	2	1	1	1	1	1	3
27	2	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	2	2	4	2	1
28	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	2	7	5	1	2	2	2	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	3	4	3	3	2	2	2	2	1	2	2	1	2	1	2	2
MEAN	1	1	2	1	1	1	1	1	2	2	2	2	2	3	3	4	3	2	2	1	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY												MONTH - JUL 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	7	3	4	3	6	4	4	2	2	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	2	
2	1	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1	1	1	3	10	3	2	2	3	2	
3	4	2	0	1	3	0	3	0	2	14	34	51	23	*****	*****	35	28	12	2	3	2	4	3	1	10	
4																										
5																										
6																										
7																										
8																										
9																										
10	0	0	0	0	0	1	1	1	2	15	16	****	14	22	17	13	10	2	2	1	1	1	1	0	5	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	2	0	0	5	1	0	0	0	1	
14	1	2	0	0	0	1	13	2	2	2	1	0	2	1	0	0	1	0	0	1	2	2	2	2	2	
15	1	1	1	1	1	1	1	1	1	1	1	3	8	1	1	2	7	4	1	1	0	1	0	0	0	
16	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	4	3	4	4	2	0	0	0	1	1	1	0	0	0	4	
19	0	0	0	0	1	1	1	1	1	1	1	7	6	17	17	9	15	19	1	2	1	0	0	0	2	
20	0	0	1	2	1	10	1	0	1	0	0	0	0	4	3	5	10	19	2	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	
22	1	1	0	0	0	0	0	1	1	0	1	1	1	1	0	1	0	0	0	0	0	-	-	-	0	
23																										
24	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	21	17	9	1	14	22	0	0	1	1	*****
25	1	1	1	1	1	1	1	3	2	1	1	1	1	3	3	2	2	3	2	2	2	2	2	2	2	
26	2	2	2	2	2	2	3	2	2	3	3	7	28	19	22	12	10	2	0	0	0	0	0	0	5	
27	0	0	0	0	0	0	0	0	0	5	15	9	10	1	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	1	
29	1	2	2	1	1	2	1	1	3	3	1	1	12	5	1	1	1	1	1	1	1	0	1	1	2	
30	1	0	1	0	0	0	0	1	1	1	1	1	2	0	0	3	11	8	8	1	1	4	13	2	3	
31	0	0	0	1	3	1	1	0	7	2	1	1	1	1	1	2	3	3	3	3	3	3	3	3	2	
MEAN	1	1	1	1	1	1	1	1	2	3	3	4	5	5	4	4	4	4	3	1	1	1	1	1	2.2	

PERCENTAGE OF DATA VALID - 74.1

PERCENTAGE OF DATA INVALID - 22.8

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - NE NO 77075											KENNEDY ST NEW SUDBURY											MONTH - AUG 80				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	3	3	3	3	3	3	5	****	14	32	36	10	26	18	27	2	0	0	0	0	0	0	8	
2	0	0	3	0	0	5	15	0	7	0	0	1	****	0	****	0	2	1	0	1	1	6	2	1	2	
3	1	0	0	0	0	0	0	0	0	0	0	0	0	6	0	1	5	0	0	1	1	0	0	0	1	
4	0	0	0	0	0	0	0	0	0	0	10	17	19	1	0	0	0	0	0	0	0	0	0	0	2	
5	0	0	0	0	0	0	0	0	0	0	1	****	1	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	3	2	22	19	****	7	17	21	16	****	****	4	0	0	0	0	5	
7	0	0	0	0	0	0	0	****	0	0	0	0	0	1	3	12	4	5	2	1	1	1	1	1	1	
8	1	2	2	1	1	1	1	1	0	0	0	0	0	2	3	2	1	4	1	2	0	0	0	0	1	
9	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	****	****	0	0	2	0	8	5	0	0	0	0	0	1	1	1	1	0	0	0	1	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	1	0	0	1	1	1	1	1	1	1	0	1	0	0	0	0	1	0	0	1	0	0	0	
13	0	0	0	0	0	0	0	0	1	0	13	8	10	0	0	0	0	****	0	0	0	0	0	0	1	
14	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	2	0	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	****	0	0	0	0	0	1	32	33	14	47	4	4	0	0	0	0	0	6	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	
21	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	4	0	1	4	
24	4	11	13	9	0	0	0	0	****	****	4	5	19	15	2	4	3	0	1	1	0	0	0	0	0	
25	0	0	0	0	0	0	****	0	0	0	3	3	5	5	1	0	1	1	1	1	1	0	1	0	1	
26	1	1	3	1	2	2	1	1	1	1	5	2	1	17	15	10	5	2	3	2	3	1	1	0	3	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	****	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	
31	0	0	2	0	0	0	0	0	0	0	3	11	9	26	33	3	10	12	1	0	0	0	0	0	5	
MEAN	0	1	1	0	0	0	1	0	1	0	3	4	4	4	4	3	4	1	1	1	0	0	0	0	1.4	

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY													MONTH - SEP 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	1	1	0	0	0	0	0	0	2	0
2	2	0	0	1	0	0	0	0	1	5	4	1	1	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	4	5	5	9	3	12	3	3	1	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	-	1	3	5	1	1
5	1	0	0	1	5	2	5	5	7	9	3	23	5	3	1	3	0	0	0	0	0	0	0	0	3
6	0	-	-	-	-	-	-	-	-	-	-	-	1	0	1	1	1	1	0	1	0	0	0	-	0
7	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
8	0	0	0	0	1	1	1	0	0	0	0	2	1	9	35	18	18	15	1	1	1	1	1	1	4
9	1	1	1	1	1	1	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	-	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	2	1	0
14	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	1	1	0	-	0	1	4	1	11	12	2	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	1	1	1	1	5	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	0	0	0	4	6	6	3	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	1	1	0	0	-	0	0	0	0	4	3	5	4	0	0	3	1	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	12	1	7	14	5	1	2	
29	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	3	1	0	1	0	1	1	0	1	1	4	6	-	8	3	3	6	1	0	1	1	2
MEAN	0	0	0	0	0	0	0	0	0	1	1	2	1	2	3	1	1	1	0	1	1	1	0	0	0.8

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 1.8

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - C.C. PARTS/MILLION													
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY												MONTH - OCT 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	0	0	0	1	0	0	0	0	1	1	6	1	1	1	0	0	0	1	0	0
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	8	1	1	0	0	1	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	2	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	9	4	1	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	17	24	21	3	2	0	0	0	4
15	0	0	0	0	0	0	0	0	0	0	0	0	2	12	15	11	17	29	25	18	18	10	8	5	7
16	6	5	3	3	2	2	1	2	2	2	1	3	5	2	1	1	1	1	1	0	0	0	0	1	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	5	4	4	2	2	2	3	7	5	4	3	4	1	4	2	6	2	4	2	0	0	0	3
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	8	4	5	2	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3	11	12	2	0	6	2
30	3	1	1	2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	6	4	7	3	2
31	2	2	2	2	4	4	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77075												MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	2	28	7	2	12	6	3	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	4	7	3	2	1	0	0	0	0	0	1	2	4	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	7	10	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	9	11	1	0	0	0	0	1	2	2	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	4	17	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	0	0	0	12	11	9	5	3	2	1	0	0	0	1	1	2
17	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	1	1	0	0	1	2	2	0	0	3	2	3	2	3	3	4	1	5	10	6	3	2
20	0	2	0	0	1	5	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	3	3	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
26	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	3	4	1	0	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	3	1
30	0	0	0	0	0	0	0	0	1	2	3	4	3	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	1	0	0	0	0	0	1	0	0	2	1	1	1	1	0	0	0	0	1	1	0	0.5

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77075		KENNEDY ST NEW SUDBURY												MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	0	0	0	0	4	0	2	1	0	0	1	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	6	13	4	2	2	0	0	1	1	1	0	1	1	0	0	6	4	1	1	5	9	0	0	0	0
11	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
12	1	2	2	2	2	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	6	6	4	5	***	24	1	2	1	1	3	***	1	1	0	1	0
16	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	2	2	1	1	1	1	1	1	1	1	1	0	1	1	2	2	1	1	3	2	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	5	2	2	2	2	2	2	2	2	2
22	3	2	2	2	2	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	1	0	0	0	0	0	0	0	0	1	1	1	3	2	6	1	1	***	0	1	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	2	2	2	2	3	3	1	0	0	0
29	0	0	0	1	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
31	0	2	2	2	1	1	5	2	3	4	0	1	0	1	6	3	1	0	0	0	1	1	0	0	2
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	2	0	1	1	1	1	1	1	1	0	1	0	0.7

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID



## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77075 KENNEDY ST NEW SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	3	16
FEB	29	1.4	4	15
MAR	31	1.4	6	41
APR	30	1.3	7	33
MAY	31	1.9	7	35
JUN	30	1.9	5	31
JUL	23	2.2	10	51
AUG	31	1.4	8	47
SEP	29	0.8	4	35
OCT	31	0.8	7	29
NOV	30	0.5	2	28
DEC	31	0.7	3	25
YEAR	357	1.3	10	51

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77075 KENNEDY ST NEW SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	TOTAL
JAN	710	21	2	1	0	0	0	0	0	0	734
FEB	661	19	3	0	0	0	0	0	0	0	683
MAR	706	24	8	1	1	2	1	0	0	0	743
APR	678	21	8	3	1	1	0	0	0	0	712
MAY	686	27	11	4	2	3	0	0	0	0	733
JUN	677	22	8	5	3	1	0	0	0	0	714
JUL	500	20	13	8	5	4	0	1	0	0	551
AUG	674	14	11	8	2	8	1	0	0	0	718
SEP	679	14	6	2	1	1	0	0	0	0	703
OCT	699	17	7	4	3	1	0	0	0	0	731
NOV	699	10	5	1	0	1	0	0	0	0	716
DEC	707	13	2	0	3	0	0	0	0	0	725
YEAR	8076	222	82	37	21	22	2	1	0	0	8463

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.3	0	0.0	0.0	0.1	0.7	2.3	4.7	9.8	14.9	51	1.3



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77079		LONG LAKE DEW DROP RD SUDBURY												MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
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23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 61.7

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 37.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77079		LONG LAKE DEW DROP RD SUDBURY												MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
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26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 45.6

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 53.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77079

LONG LAKE DEW DROP RD SUDBURY

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																										
2																										
3																										
4																										
5																										
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	2	13	5	2	1	1	0	0	0	0	0	0	2	2	2	2	1
8	2	2	1	0	0	0	0	0	0	12	13	4	2	5	5	7	5	2	8	10	0	0	0	0	0	3
9	0	0	0	0	0	0	0	0	1	5	0	1	6	1	3	5	0	0	0	0	0	2	1	1	1	1
10	2	1	1	0	0	0	0	0	0	0	0	0	5	1	0	0	0	3	3	5	4	3	1	0	0	1
11	0	0	0	0	0	0	0	0	12	14	8	2	0	5	7	4	7	3	0	0	0	0	0	0	0	3
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13																										
14																										
15																										
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	1	0	0	0	10	10	2	2	4	1	1	1	0	0	1	1	6	2	5	3	1	1	0	2	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22																										
23																										
24																										
25																										
26	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	7	4	1	0	1	0	0	0	1	
27	0	0	0	1	1	1	1	2	2	2	3	3	3	3	3	3	3	6	3	2	3	1	1	1	2	
28																										
29																										
30																										
MEAN	0	0	0	0	1	1	0	1	2	4	4	3	4	5	3	2	1	2	1	1	1	0	0	0	1.7	

PERCENTAGE OF DATA VALID - 50.8

PERCENTAGE OF DATA INVALID - 34.9

PERCENTAGE OF DATA UNAVAILABLE - 14.3

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77079

LONG LAKE DEW DROP RD SUDBURY

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
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8																									
9																									
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11																									
12																									
13																									
14																									
15																									
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	7	7	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	3	4	4	2	2	2	2	1	1	1	2	2	1	1	1	1	1
18	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	2	3	2	2	2	2	2	2	2	1	1	1	3	1	1	6	5	2
22	1	1	1	1	1	1	1	2	12	17	2	3	4	6	4	0	0	0	0	0	0	0	0	2	2
23	4	1	0	0	0	4	0	1	2	21	14	3	2	2	2	2	3	3	1	0	0	0	0	0	3
24	0	0	2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	5	1	0	0	6	13	14	12	6	2	1	1	1	1	1	0	0	0	0	0	3
27	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	1	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	0	1	0	0	0	0	1
30	0	0	0	0	0	0	2	3	5	29	47	4	2	2	2	2	2	2	2	2	1	1	1	1	5
31	1	1	1	0	0	0	0	1	1	2	2	2	3	3	3	4	5	4	3	3	2	2	1	1	2
MEAN	0	0	0	0	1	1	0	1	2	6	6	2	2	2	2	1	2	2	1	1	0	0	1	1	1.5

PERCENTAGE OF DATA VALID - 46.4

PERCENTAGE OF DATA INVALID - 53.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77079		LONG LAKE DEW DROP RD SUDBURY												MONTH - AUG 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	1	2	2	3	3	3	4	4	3	3	2	2	2	2	2	1	1	2
2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	1	1	0	0	0	0	1
4	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	3	2	2	2	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	3	3	3	2	2	2	2	1	1	2
6	1	1	1	1	1	0	0	0	0	1	1	2	2	3	3	4	4	3	3	2	2	2	1	1	1
7	1	1	0	0	0	0	0	0	1	1	1	2	2	2	3	4	4	3	3	2	2	1	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	20	31	17	16	3	6	4	7	1	2	1	0	0	0	0	5
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	1	4	9	1	0	0	0	1	0	1
13	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	1	0	6	0	1	3	22	17	2	0	0	1	1	0	0	5	12	4	5	9	0	4
16	0	5	3	1	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	2	2	9	15	5	4	4	2	2	1	0	0	0	0	2
20	0	0	0	0	0	0	0	0	1	2	2	3	5	5	5	5	5	4	4	2	2	2	1	1	2
21	2	2	1	1	1	1	1	1	0	****	****	4	3	4	4	4	3	3	2	2	2	2	1	1	2
22	2	2	2	2	2	2	1	1	1	2	2	4	9	6	8	10	5	3	3	2	1	1	1	2	3
23	10	2	1	1	1	1	1	1	1	5	7	8	29	17	25	8	4	3	2	1	1	1	1	1	6
24	1	0	0	0	0	0	0	0	1	1	2	3	3	3	3	2	2	2	2	1	1	1	1	1	1
25	1	1	1	1	1	0	1	1	2	2	3	3	4	4	4	4	4	3	3	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2
27	2	11	14	3	7	3	6	5	1	2	5	0	2	8	4	18	2	0	7	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	1	1	1	1	1	2	2	3	3	4	4	4	3	2	2	2	2	2	1	1	2
31	1	1	1	1	1	1	1	1	1	3	2	****	****	****	3	3	3	2	2	2	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	3	3	3	4	3	3	3	2	2	2	1	1	1	1	0	1.6

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION																									
STATION - NE NO 77079													LONG LAKE DEW DROP RD SUDBURY													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN													
1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	0	0	0	0	0	1													
2	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1													
3	0	0	0	0	0	0	0	4	2	1	2	3	6	4	5	5	2	2	2	1	1	0	0	0	2													
4	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	2	2	2	2	2	1	1	1	1													
5	.....	.....	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1													
6	1	1	1	1	1	1	1	1	1	5	4	1	2	2	2	2	2	2	2	2	1	1	1	1	2													
7	0	0	0	0	0	0	0	0	1	4	10	14	1	3	1	1	2	1	1	1	1	0	0	0	0													
8	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	0	0	0	0	.....													
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1													
10	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	.....	.....	.....	.....	.....	.....	.....													
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....													
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....													
14	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....													
16	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1													
17	0	0	1	1	0	0	0	0	0	0	0	0	3	12	9	8	2	2	1	0	0	0	0	0	0													
18	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
19	1	1	0	0	0	0	0	0	2	2	1	1	1	4	5	3	1	1	1	1	0	0	0	0	1													
20	1	1	1	1	1	2	2	2	.....	2	2	2	2	1	1	1	3	1	1	4	0	0	0	0	1													
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0														
22	2	0	0	0	9	2	12	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....														
23	0	0	0	0	1	1	1	2	4	.....	6	0	1	29	31	9	13	28	2	0	0	0	0	0	6													
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
25	1	1	1	1	1	1	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....														
26	0	0	0	1	0	0	0	0	5	6	11	2	14	9	1	1	1	1	1	1	0	0	1	1	2													
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
28	0	1	1	0	0	3	0	0	0	0	1	55	35	7	3	1	0	0	0	1	5	5	3	1	5													
29	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1														
30	1	1	1	1	1	1	1	1	3	2	1	1	3	1	0	0	0	0	0	.....	.....	.....	.....	.....	.....													
MEAN	0	0	0	1	0	1	1	1	1	1	2	3	3	3	3	2	2	2	1	1	1	1	0	0	1.3													

PERCENTAGE OF DATA VALID - 87.6

PERCENTAGE OF DATA INVALID - 12.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77079 LONG LAKE DEW DROP RD SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR	18	1.4	6	26
MAY	14	1.4	4	32
JUN	15	1.7	7	42
JUL	14	1.5	5	47
AUG	31	1.6	6	31
SEP	26	1.3	6	55
OCT	15	0.6	2	19
NOV	17	0.0	0	1
YEAR	150	1.2	7	55

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77079 LONG LAKE DEW DROP RD SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	408	15	12	5	3	1	0	0	444
MAY	312	17	7	2	0	1	0	0	339
JUN	337	14	7	3	2	2	1	0	366
JUL	330	6	5	1	1	1	1	0	345
AUG	705	18	4	6	2	2	0	0	737
SEP	610	10	6	0	0	4	0	1	631
OCT	372	8	2	1	0	0	0	0	383
NOV	395	0	0	0	0	0	0	0	395
YEAR	3469	88	43	18	8	11	2	1	3640

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
62.2	0	0.0	0.0	0.0	0.5	2.4	4.8	11.2	16.3	55		1.2



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77092 LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY											MONTH - JUL 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	0	0	0	0	0	1	1	1	1	1	1	12	7	4	1	0	0	0	0	0	0	0	0	0	0
6	0	1	0	0	0	0	0	0	0	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	2	0
15	1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	1	0	0	0	0	0	0
16	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0
18	0	0	0	0	0	0	0	0	0	0	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	3	6	5	3	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	17	1	0	0	0	0	0	0	2
21	0	0	0	0	0	0	1	3	7	4	0	0	0	0	0	0	1	1	0	0	1	0	1	1	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
24	0	0	1	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
26	0	0	0	0	1	4	7	9	8	13	7	11	13	7	8	3	1	0	0	0	0	0	0	0	4
27	0	0	0	0	0	1	0	1	1	4	5	1	2	3	1	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 84.1

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 12.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION																
STATION - NE NO 77092 LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY										MONTH - AUG 80																
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	****
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
3	0	0	1	1	0	0	0	2	5	27	34	39	3	2	3	3	1	2	0	0	1	1	3	1	5	0
4	1	1	1	0	0	0	0	0	0	1	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
7	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	0	0	1	4	5	2	0	1	1
9	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	1	1	1
10	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	2	3	3	4	4	4	3	1	1
11	3	2	2	2	1	1	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	2	0	2	2	1	0	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	1	0	1	4	2	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	4	3	9	10	7	5	0	3	0	1	1	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	10	7	3	1	
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	0	0	0	0	0	0	3	37	7	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	21	17	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	8	10	2	0	0	1	11	4	2	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	1	4	0	2	3	5	2	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	2	9	11	5	5	2	0	0	0	0	0	1	1	2	0
27	1	0	0	0	0	0	3	4	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	2	15	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	3	2	1	2	1	2	1	0	0	0	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77092											LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY														
											MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0	0	0	3	5	2	0	1	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	20	16	6	2	3	1	2	1	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	4	5	0	0	0	0	0	0	1	1
6	1	1	0	0	0	0	0	0	0	3	3	17	15	1	0	1	2	0	0	0	0	0	0	0	2
7	1	1	1	0	0	3	2	1	0	0	0	4	3	3	3	14	9	0	0	0	0	0	1	0	2
8	1	0	0	0	0	0	0	0	0	0	0	1	1	8	13	5	2	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	1	0
10	1	0	1	0	1	1	0	1	1	1	0	1	0	2	2	5	1	4	2	2	0	0	0	0	1
11	0	1	0	1	2	1	4	5	1	6	2	16	15	12	1	0	0	0	0	0	0	0	0	0	3
12	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	1
14	1	0	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	1	1	1	1	1	0	3	6	6	7	3	2	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	2	0	0	1	0	0	0	0	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	1	0	0	0	0	0	0	0	0
21	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	4	8	2	7	1	1	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
23	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
24	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0	12	4	0	1	0	0	1
28	0	0	0	1	0	0	0	0	0	0	0	0	5	33	31	4	3	0	0	8	15	12	5	1	5
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	8	11	1	1	4	2	5	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	2	2	3	2	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77092		LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY												MONTH - OCT 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	2	2	4	0	0	11	1	1	1	2	2	1	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	11	13	8	5	4	2	2	2
6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	3	2	1	1	1	2	1	1	1	3	1	0	0	1	0	0	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	2	9	2	1	1	1	1	1	1	1	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	2	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	*****	0	0	0	0	0	0	0	0	0	0	0	1	2	5	18	16	22	7	13	20	6	4	3	3
16	*****	4	3	4	2	2	6	7	3	2	6	13	1	1	1	1	0	0	0	0	0	0	0	0	0
17	*****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	*****	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0
19	*****	0	0	0	0	0	0	0	0	0	1	5	0	0	6	2	0	0	1	0	0	0	0	0	0
20	*****	0	0	2	1	1	1	1	2	2	1	3	3	5	1	0	1	2	0	1	0	0	0	0	1
21	*****	2	3	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	3	1	1	0
22	*****	2	5	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	*****	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	*****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	*****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0
26	*****	0	4	7	2	6	2	0	0	1	0	1	0	1	0	0	1	0	1	6	9	3	3	0	2
27	*****	0	0	0	1	1	2	0	0	0	2	0	0	0	1	0	0	0	1	1	0	1	4	0	1
28	*****	0	0	1	1	1	0	0	2	0	0	2	4	3	2	4	1	0	2	1	0	0	0	0	1
29	*****	0	0	0	0	0	0	0	0	0	0	0	1	19	6	3	1	5	7	4	0	0	0	0	2
30	*****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0
31	*****	0	0	0	0	0	0	0	2	4	5	0	0	4	2	1	4	1	0	0	0	0	0	0	1
MEAN	0	0	1	1	0	1	1	1	0	0	1	1	1	2	1	1	2	1	2	2	1	1	1	0	0.9

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77092 LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY														MONTH - NOV 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	****	0	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2	****	0	0	0	0	0	0	0	0	3	11	14	8	11	11	2	0	0	0	0	0	0	0	0	3		
3	****	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0		
4	****	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	1	0	1	1	0	1	0		
5	****	0	0	4	0	1	0	0	0	0	0	1	2	***	***	1	3	1	3	2	1	0	0	0	1	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	0	0	0	0	1	0		
7	****	0	0	0	0	0	19	14	1	1	7	3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
8	0	0	0	0	1	1	1	1	0	0	0	4	16	22	6	0	0	0	0	0	1	2	2	1	2	2	
9	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	7	6	6	4	1	1	1	0	0	2	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	C	1	1	1	1	1	1	1	1	1	1	7	4	5	5	5	5	5	5	5	5	5	5	5	5	
13	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1	1	1	1	1	0	0	0	0	0	
14	****	0	0	0	0	0	0	0	0	1	2	1	9	0	1	0	1	1	1	1	1	0	0	0	0	1	
15	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
16	****	****	****	0	0	0	1	1	1	1	1	1	24	48	60	49	26	10	0	0	0	0	0	0	0	11	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0
22	3	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	
26	****	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	
27	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	
29	****	1	1	1	1	2	1	0	1	2	4	2	0	2	2	3	3	0	1	1	0	0	0	0	0	1	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	1	1	0	0	1	1	3	4	4	3	2	1	1	0	0	0	0	0	0	1.0	

PERCENTAGE OF DATA VALID - 85.3

PERCENTAGE OF DATA INVALID - 14.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77092 LAURENT HOSP 41 RAMSEY LAKE RD. SUDEURY														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	0	0	0	0	1	1	0	0	5	1	0	0	2	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	8	8	5	3	1	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	***	0	0	1	1	0	0	0	0
9	0	0	0	0	0	0	3	0	0	0	0	0	0	0	18	12	3	10	25	18	6	6	6	6	5
10	****	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5	0	0	1	1	1	1
11	****	1	1	1	2	3	4	1	1	1	8	2	5	5	10	10	2	2	2	2	4	4	4	4	3
12	****	3	4	4	4	4	4	4	2	2	1	1	1	0	0	0	0	6	7	1	1	1	1	1	2
13	****	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
14	****	1	6	0	0	0	0	0	0	2	1	1	0	0	0	0	1	3	0	1	0	0	0	0	1
15	****	0	0	0	0	0	0	1	2	3	4	2	5	20	9	3	3	1	1	0	0	0	0	0	2
16	****	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	2	1	1	0	0	1	1	1
17	1	1	1	2	1	2	2	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	0	1	4	6	1	1
19	0	0	0	0	0	0	0	0	1	0	2	3	1	0	1	0	0	0	1	1	1	1	1	1	1
20	1	1	2	2	2	2	2	1	1	1	1	3	2	1	0	0	0	0	1	1	1	1	0	0	1
21	0	0	0	1	1	3	4	4	1	2	2	4	3	2	1	0	0	1	0	0	0	0	0	0	1
22	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	2	3	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1
28	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	4	5	17	4	12	1	1	4	4	4	1	1	3	3
31	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1
MEAN	0	1	1	1	0	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77092 LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	24	0.5	4	17
AUG	30	0.8	5	39
SEP	30	0.9	5	33
OCT	31	0.9	5	22
NOV	25	1.0	11	60
DEC	31	0.9	5	25
YEAR	171	0.8	11	60

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77092 LAURENT HOSP 41 RAMSEY LAKE RD. SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN		DATA UNAVAILABLE								
FEB		DATA UNAVAILABLE								
MAR		DATA UNAVAILABLE								
APR		DATA UNAVAILABLE								
MAY		DATA UNAVAILABLE								
JUN		DATA UNAVAILABLE								
JUL	609	11	4	2	0	0	0	0	0	626
AUG	700	14	3	1	1	4	0	0	0	723
SEP	692	11	10	4	0	2	0	0	0	719
OCT	696	20	5	4	1	0	0	0	0	726
NOV	590	11	5	2	2	1	2	1	1	614
DEC	711	18	2	4	1	0	0	0	0	736
YEAR	3998	85	29	17	5	7	2	1	1	4144

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.8	0	0.0	0.0	0.0	0.0	1.5	3.7	7.8	12.7	60	0.8

40065



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